

Fig. 14

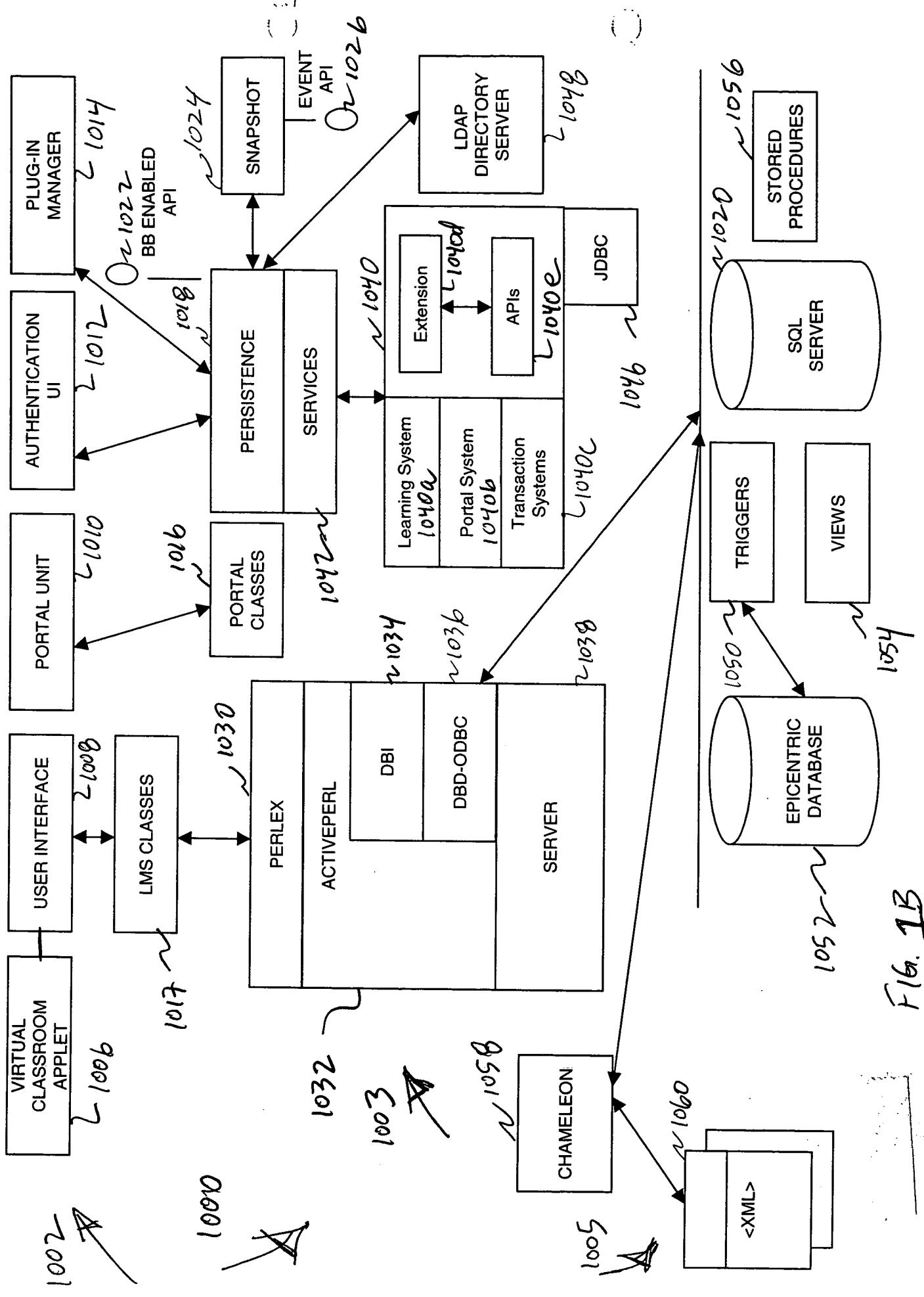


Fig. 1B

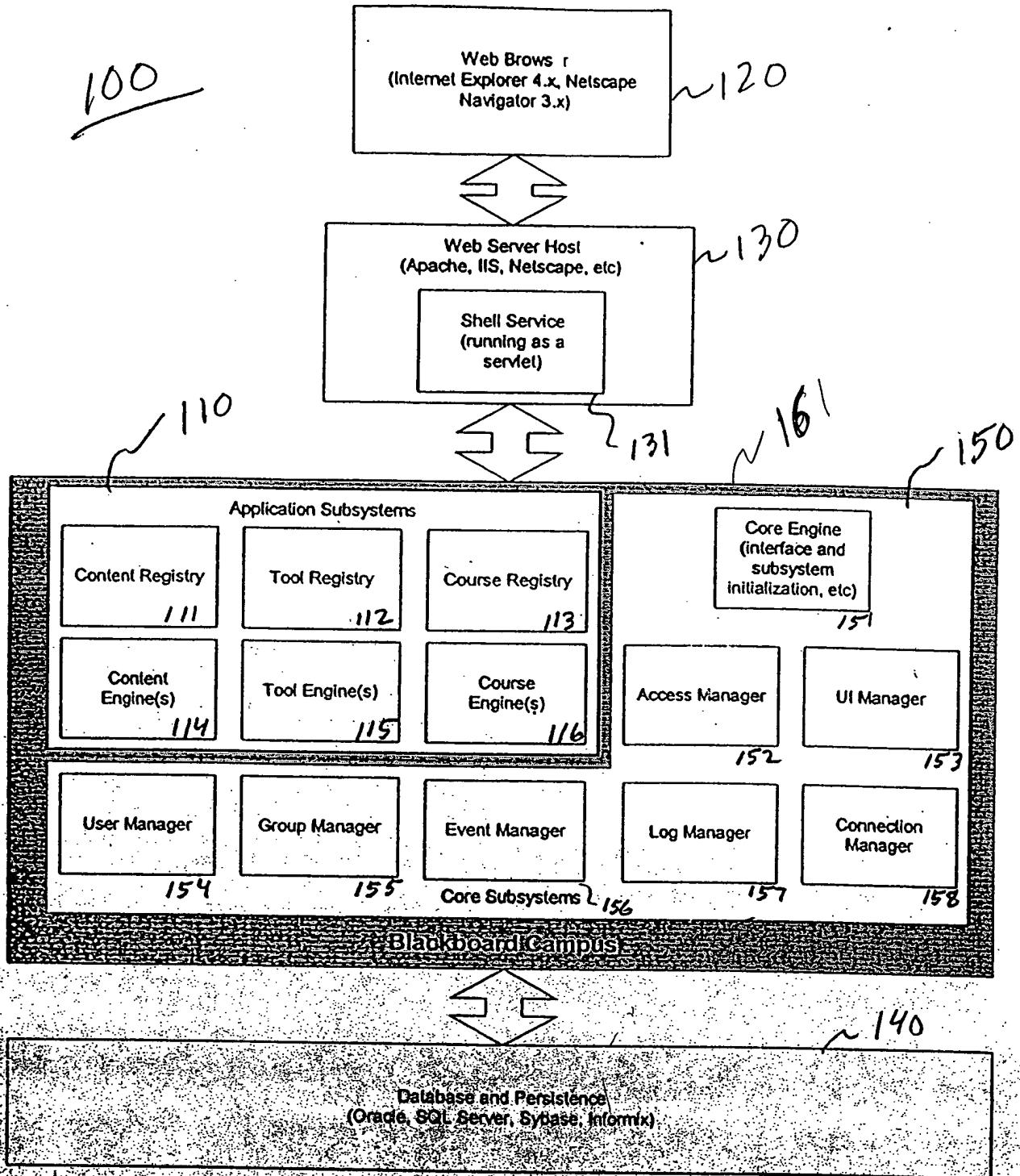


FIGURE 1C

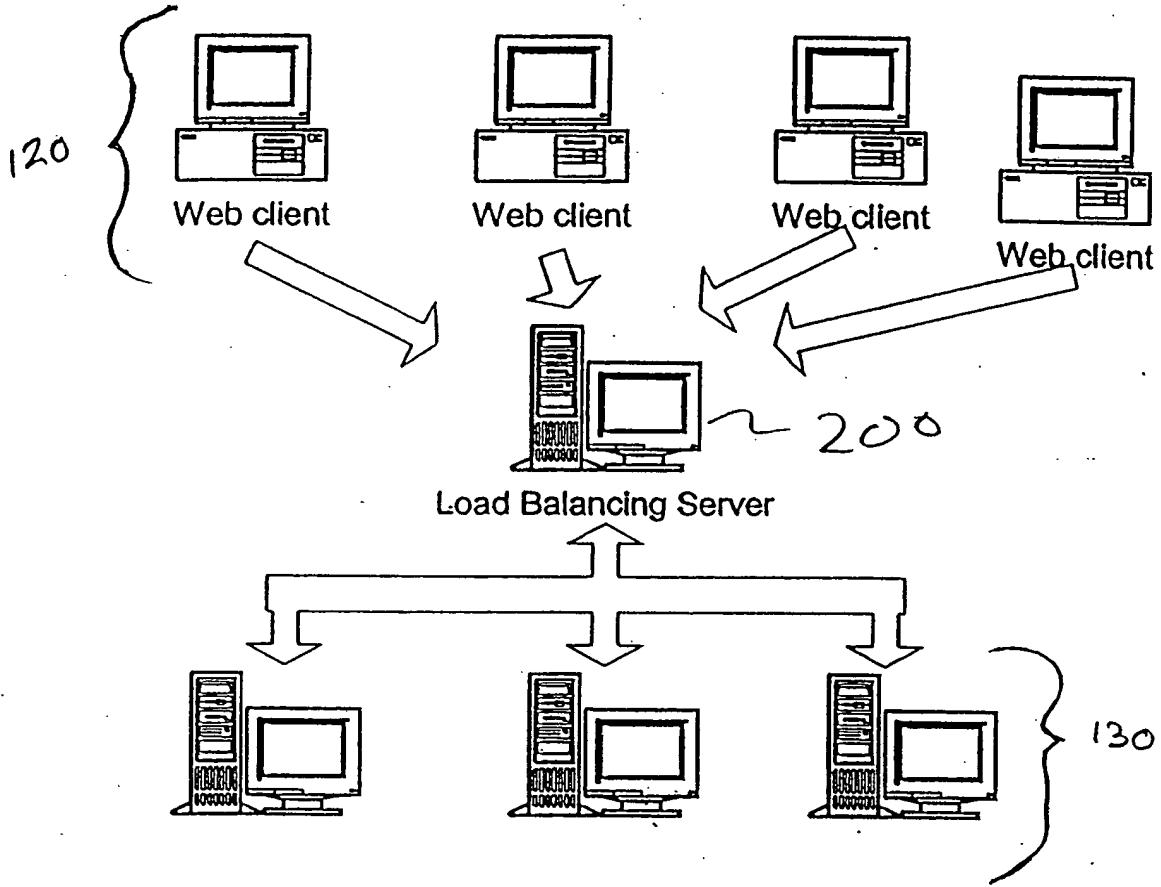


Figure 2 —Machine Scalability Using Load Balancing

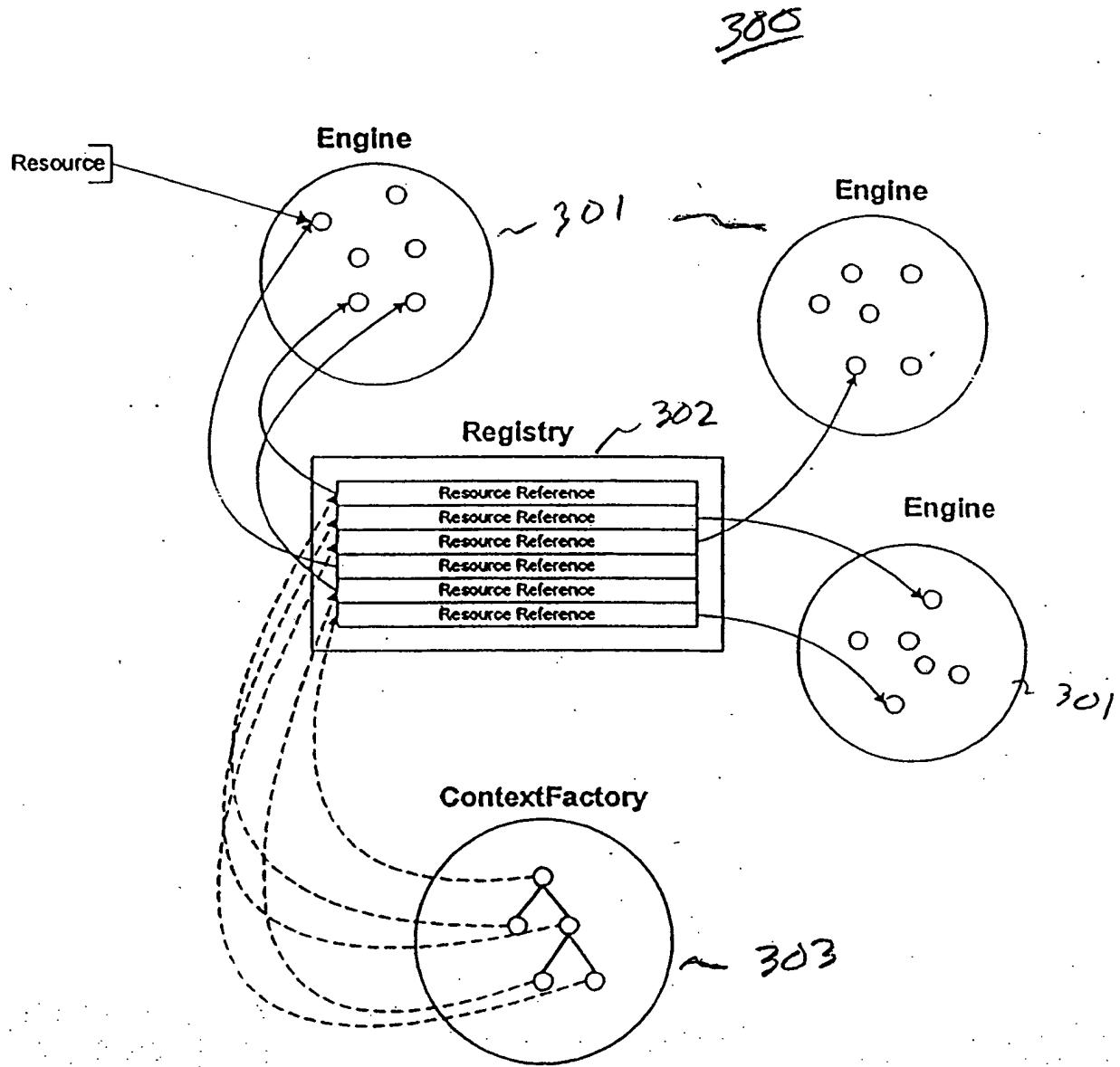


Figure 3 -- Engine/Registry Model

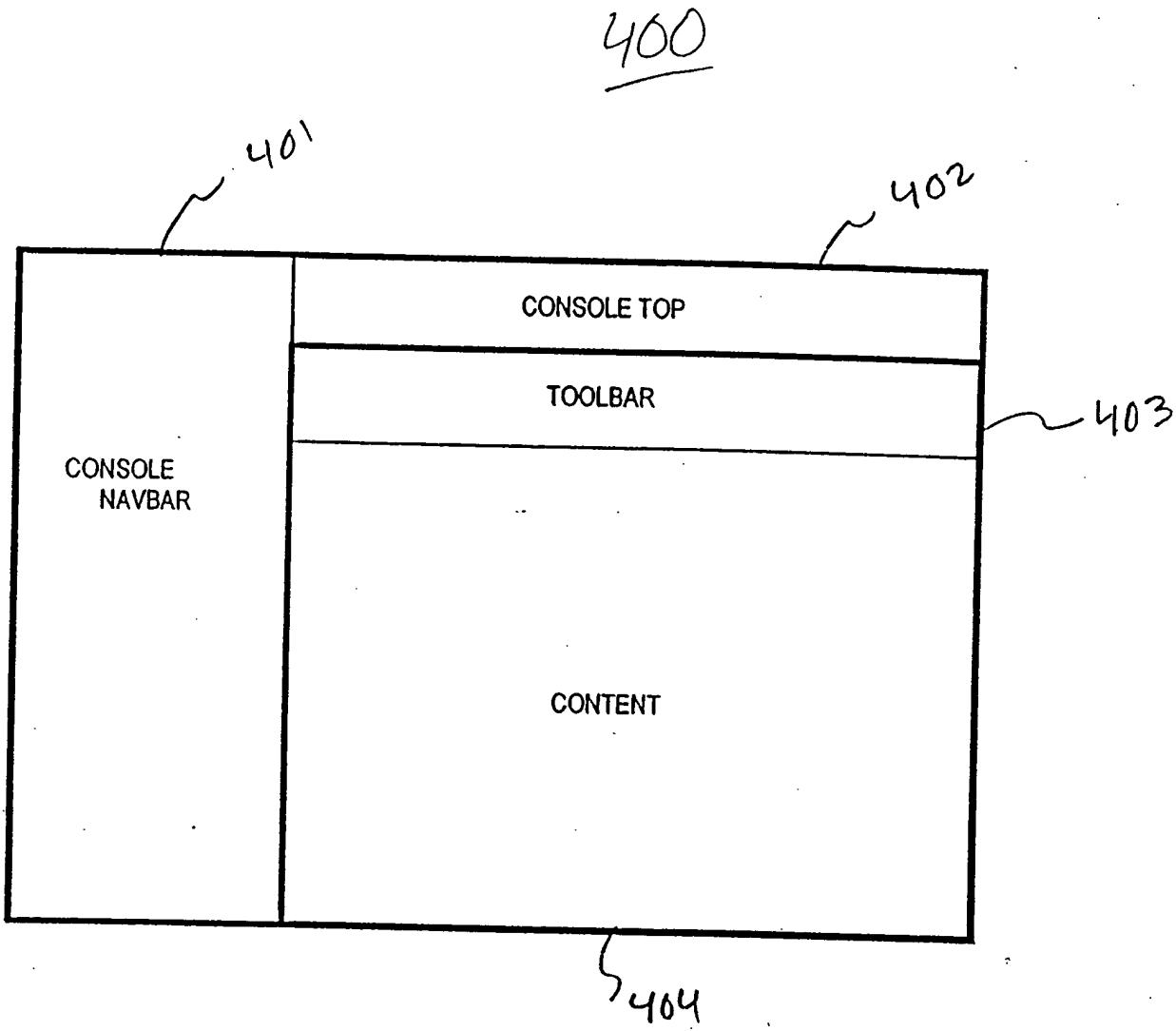


FIGURE 4

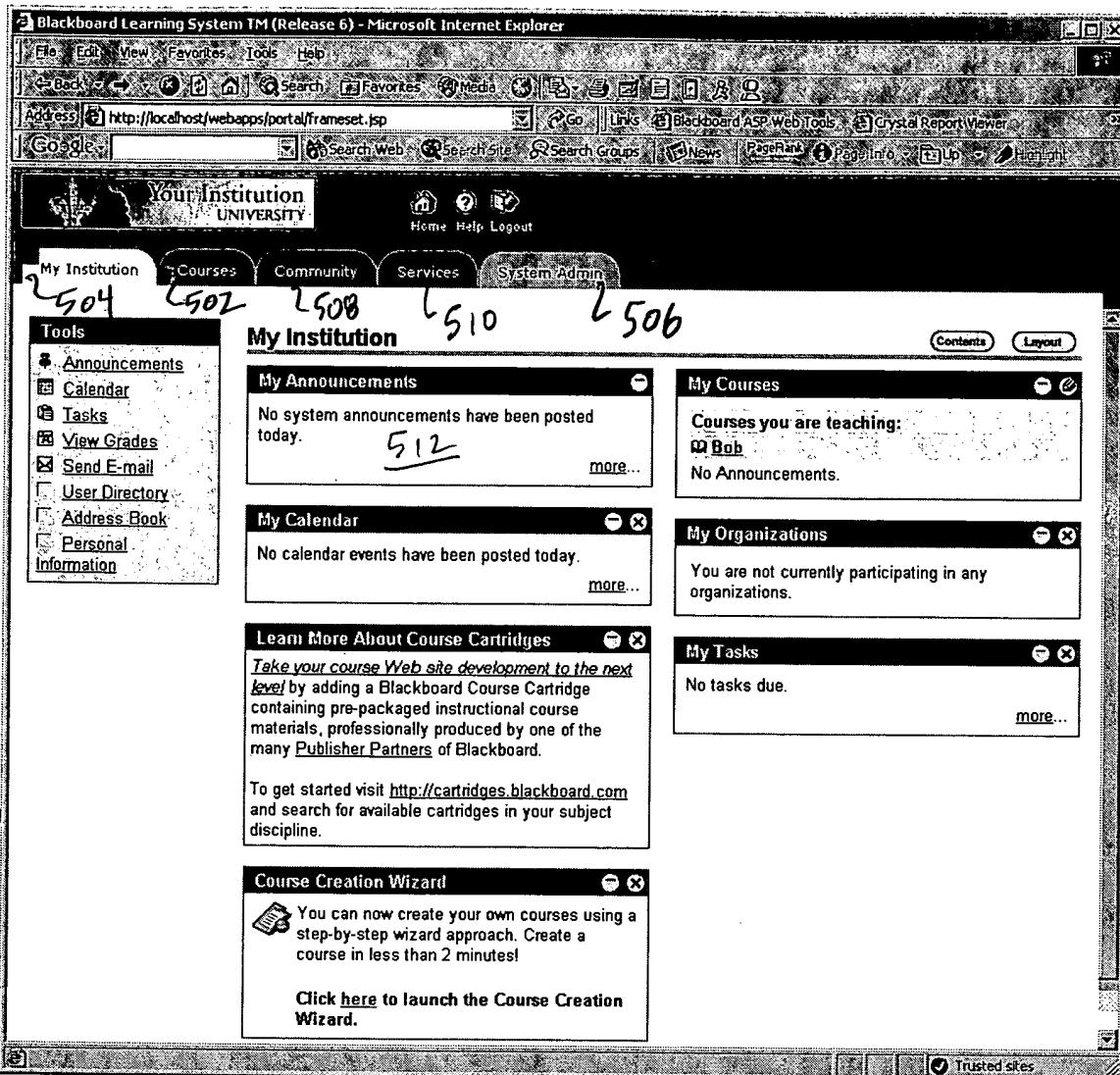


FIG.5

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Blackboard Inc.

Address: http://georgetown1/Blackout_v30/bb_admin/frames/frame_enterprise_courses.htm

Your Institution UNIVERSITY

My Institution Courses Community Services Academic Resources Non-Academic Resources

COURSE SEARCH

Search for a course: GO! advanced search

OFF-CAMPUS LEARNING

Kaplan Help prepare for final exams.

TutorNet Need a tutor, use the virtual chat 24 hour TutorNet service.

eHow Find out how to do just about anything.

Blackboard.com Find courses you can take online.

SEARCH THE WEB

Search the Web: GO! advanced search

Course List:

Courses you are teaching: **602**

Introduction to Music

Course ID: MUSIC101
Department: Art & Music
Instructor(s): Dr. Lou Pugliese
Online Material: Yes **604**

American History

Course ID: AHIST101
Department: Social Science
Instructor(s): Dr. Chasen
Online Material: Yes **606**

Courses in which you are enrolled:

Accounting 101

Course ID: ACCT101
Section: 2
Department: Business
Instructor(s): Alan Stewart
Online Material: No **608**

Space and Beyond

Course ID: SPACE301
Section: 1
Department: Music
Instructor(s): Laurie Wagnon
Online Material: Yes **610**

Algebra 2

Course ID: ALGEBRA2
Section: 2

Course Catalog:

- Agricultural Sciences & Natural Resources
- Architecture
- Arts & Sciences
- Business Administration
- Division of Continuing Studies
- Engineering & Technology
- Fine & Performing Arts
- Graduate Studies
- Great Plains Veterinary Educational Center
- Human Resources & Family Sciences
- Journalism & Mass Communications
- Law
- Military & Naval Sciences
- Nebraska College of Technical Agriculture - Curtis
- Public Affairs & Community Service
- Special Projects
- Teachers College

> [Browse Course Catalog](#) **614**

600

F16.6

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Blackboard Inc.

http://pearlown1/Blackout_v30/bb_admin/home/frame_enterprise_courses.html

Your Institution
UNIVERSITY

My Institution Courses Community Services

COURSES > INTRODUCTION TO MUSIC

MUSIC101: Introduction to Music

Announcements Course Information Staff Information Course Documents Assignments Communication External Links Student Tools Resources Course Map Control Panel

Introduction to Music

music 101

Music Theory Basics
• Music Notation
• Key Signatures
• Time Signatures

Announcements

Posted in the Last Two Weeks

Subject: Course Packets Posted by Music 101
The library has printed an additional 25 course packets. If you have up, please drop by the library and purchase one. They are available!

Subject: Assignment #3 Office Hours Posted by Music 101
Assignment #3 Office Hours have been changed from 2:00-3:00 to 3:45

Today Last 2 Weeks Last Month All

Explore

Course Contents - Microsoft Internet Explorer

Course Contents

(click on any tool to expand)

- Course Information
 - Course Information
 - Staff Information
 - Faculty
 - Staff
- Staff Information
 - Faculty
 - Staff
- Course Documents
 - Course Documents
 - Life and Times of Bach
 - Incubus
 - Incubus
- Assignments
 - Faculty
 - Staff
- Communication
 - Communication
 - General Units
 - Faculty Member to Student Email
 - Faculty "The Year is Well Underway"
 - Faculty
 - Faculty "Everyone is Doing Great"
 - Faculty "Everyone is Doing Great"
 - Faculty "Everyone is Doing Great"
 - Faculty "Everyone is Doing Great"
 - Students
- External Links
 - Faculty Member to Student Email
 - Faculty "The Year is Well Underway"
 - Faculty
 - Faculty "Everyone is Doing Great"
 - Faculty "Everyone is Doing Great"
 - Faculty "Everyone is Doing Great"
- Student Tools

FIG.7

804

806

808

700

702

Music 101: Introduction to Music

Announcements

Posted in the Last Two Weeks

- Subject:** Class location change
We've moved to room 101
- Subject:** Greeting
Welcome MCDD
- Subject:** A new quiz has been posted
To begin taking the quiz titled NYCTA click here.
Please answer these questions carefully.

Course Contents

WELCOME TO MUSIC 101!

Use the buttons provided on the left side of your screen to navigate the CourseSite. Begin by clicking the COURSE INFORMATION button to view important information before beginning the course.

Today | Last 2 Weeks | This Month | All

804

806

808

700

702

Please check your announcements on a daily basis.
Thanks, Stacey

Subject: Course Map

Welcome to your new course
You can navigate your course by using the map below.

Course Contents

(click on any book to expand)

- Course Information
- Staff Information
- Course Documents
- Assignments
- Communication
- External Links
- Student Tools

WELCOME TO MUSIC 101!

Use the buttons provided on the left side of your screen to navigate the CourseSite. Begin by clicking the COURSE INFORMATION button to view important information before beginning the course.

Today | Last 2 Weeks | This Month | All

FIG. 8

Course Contents

[click on any book to expand](#)

-900-

902

Fig. 9

FIG. 10

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Blackboard Inc.

Address: http://georgetown1/Blockout_v30/bb_admin/frames/frame_enterprise_courses.html

Your Institution
UNIVERSITY

My Institution Courses Community Services Academic Resources

COURSES > INTRODUCTION TO MUSIC

MUSIC101: Introduction to Music

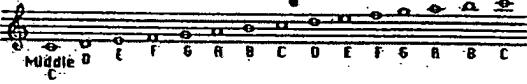
Course Documents

(Top)

Current Location: Course Documents

Syllabus
[Link to File](#)

Session 1
The major scale, has no sharps or flats associated with any of the notes in the scale. Here is the C major scale in the treble staff.
(to display options for the animation below, move your mouse pointer atop the image and click the right mouse button)



Session 1: Lessons

Session 1: An Atlas of Consonance
[Link to File](#)
Please print this document and keep it available for fast review.

Session 2: Music Notation

1100

FIG-11

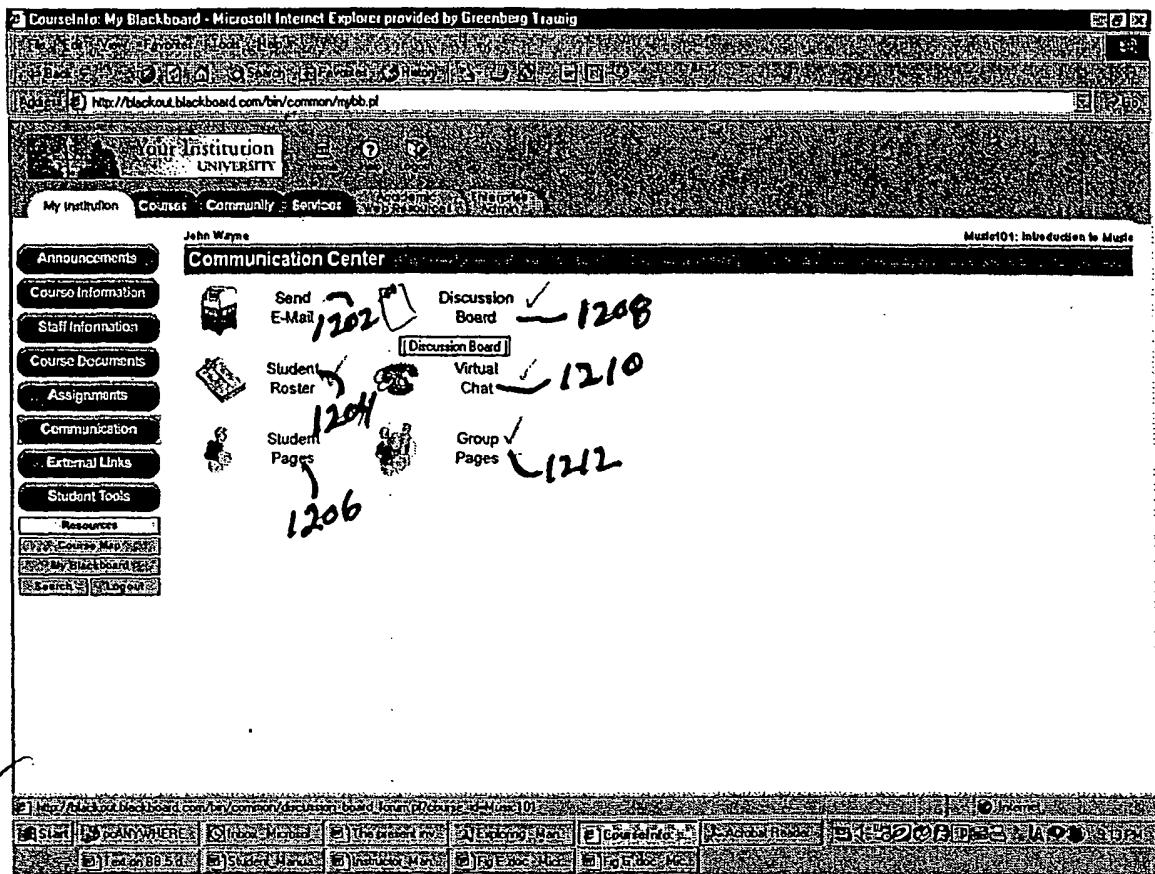


FIG. 12

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Blackboard Inc.

File Edit View Favorites Tools Help

Blackboard Home Search Refresh Home Back Stop Forward Stop

Address http://blackout.blackboard.com/bb_admin/frames/frame_enterprise_courses.html

Your Institution UNIVERSITY

My Institution Courses Community Services Academic Enterprise Web Resources

COURSES > INTRODUCTION TO MUSIC

Blackboard Administrator MUSIC101: Introduction to Music

Communication Center

Discussion Board - Thread View

VIEW UNREAD MESSAGES EXPAND ALL COLLAPSE ALL

SEARCH

OPTIONS

This is a top level thread Cane, Daniel 25-Feb-2000

This is a reply to your top level thread Chi, Timothy 26-Feb-2000

This is a top level thread Cane, Daniel 28-Feb-2000

Hello World! Klimentko, Anatoliy 27-Feb-2000

Re: Hello World! Klimentko, Anatoliy 28-Feb-2000

[Click Here for Archives]

Sort By: Default

Previous

1300

FIG. 13

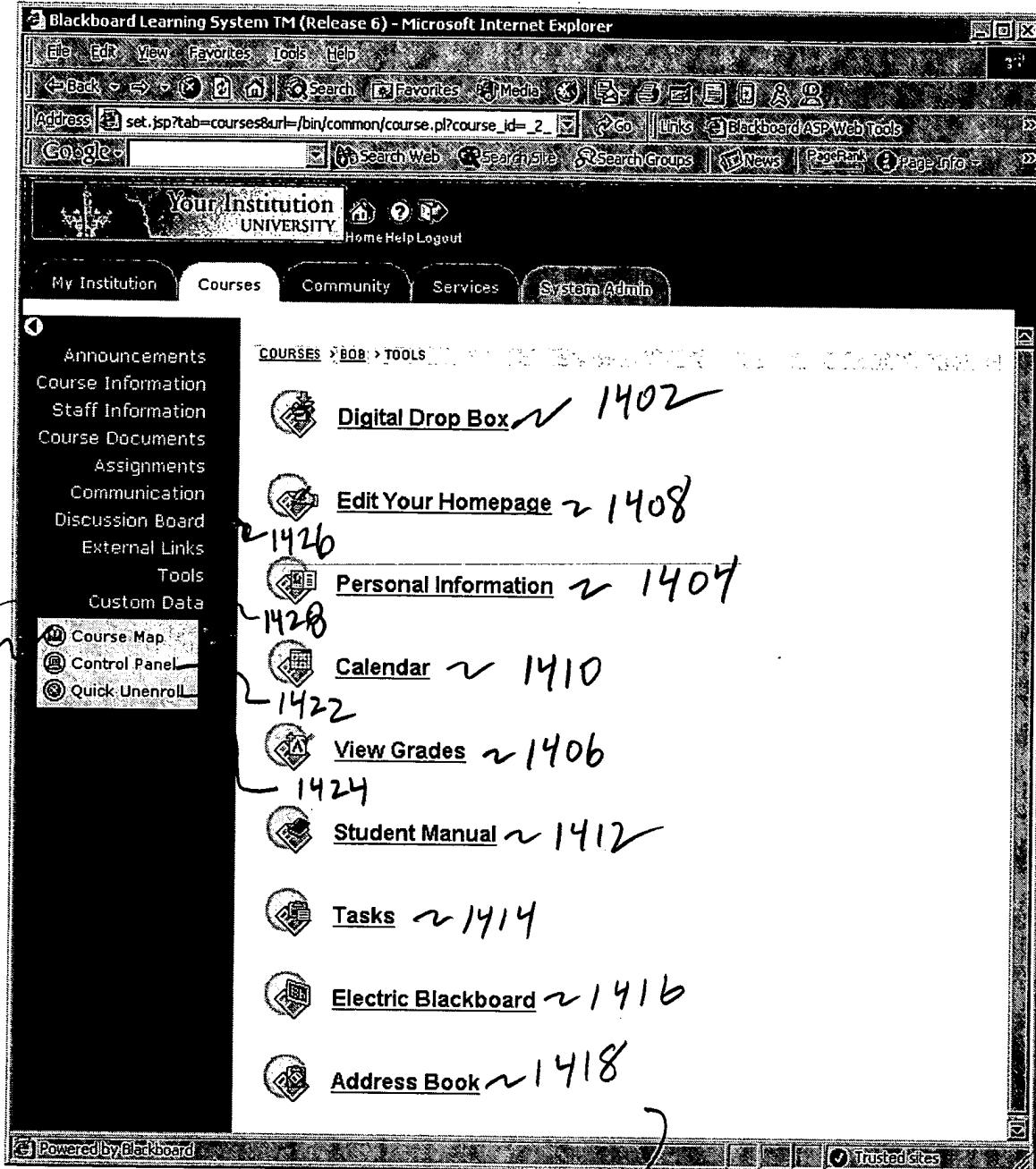


Figure 14.

John Wayne

Music101: Introduction to Music

Student Tools**Student DropBox**

Use your student drop box to submit files to your instructor. Also, your instructor can return your files to you with comments attached.

**Current Files in your DropBox**

Note: If you want to save a file, right click on the Link Name and choose Save Link As

File Name	Link Name	File Size	Status
none	none	none	none

[Remove Files]

**Add File to DropBox**

Click the *Browse* button to select the file to attach from your computer.
Be sure to specify a linkname for your file.

File to Upload:

Name of Link to File:

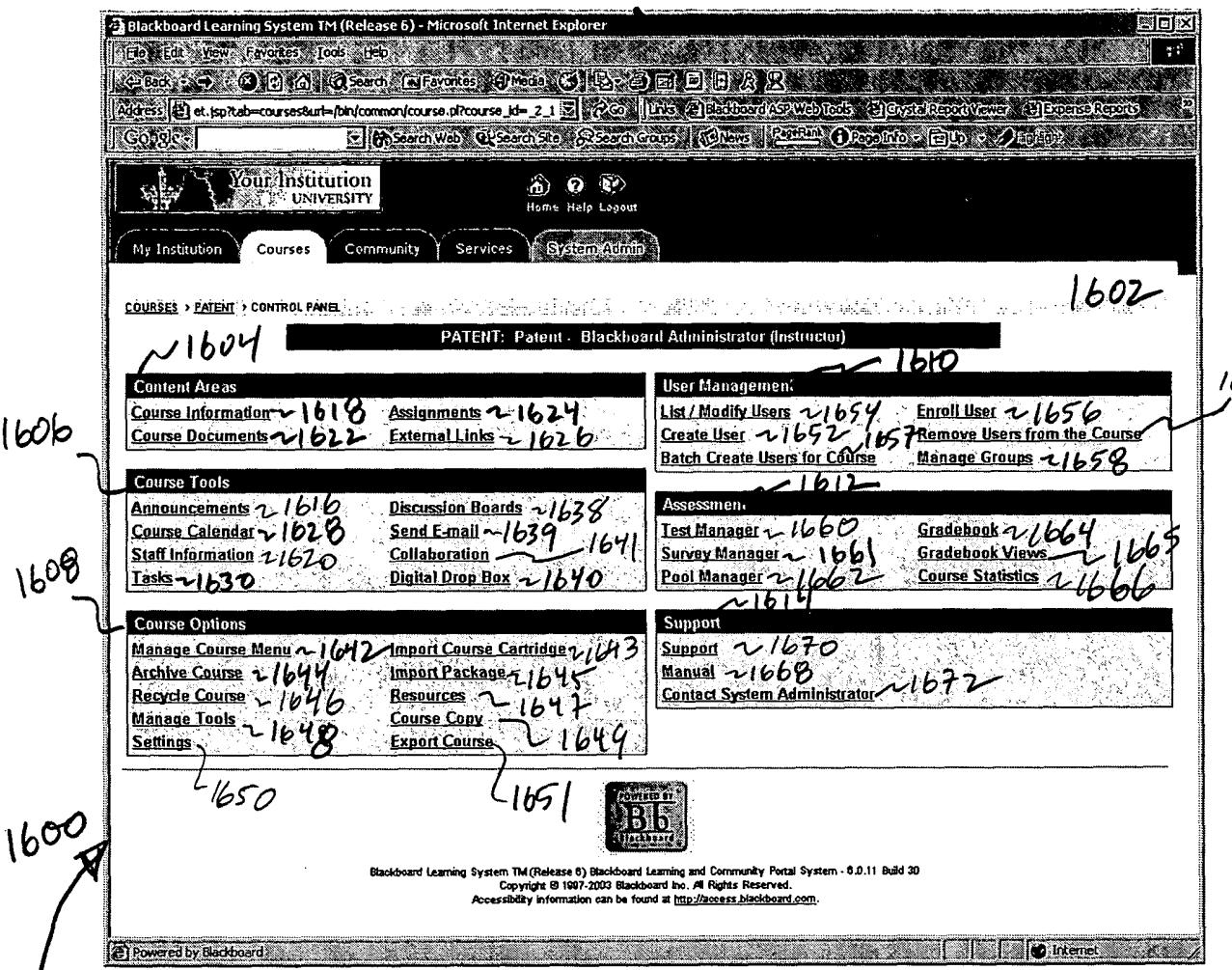
(Example: *Homework One, Assignment One*)

Browse...

◀ Back

1500

FIG 15



CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Gicenberg Taunig

http://blockout.blackboard.com/course/instructor/index.htm

Your Institution UNIVERSITY

My Institution Courses Community Services

COURSES > INTRODUCTION TO MUSIC > CONTROL PANEL > ANNOUNCEMENTS

Announcements : View Today

Add Announce

VIEW TODAY VIEW LAST 7 DAYS VIEW LAST 30 DAYS VIEW ALL ANNOUNCEMENTS

Wednesday, March 15, 2000 1702

Permanent Final Exam has moved!!!!
Due to the leaky roof in Warren B45, we have moved the exam to Hollister B14. The exam still begins promptly at 7pm.
Modify Remove
Posted by Timothy CM

Permanent Final Exam has moved!!!!
Due to the leaky roof in Warren B45, we have moved the exam to Hollister B14. The exam still begins promptly at 7pm.
Modify Remove
Posted by Timothy CM

Wednesday, Mar 15, 2000 : New Floods Threaten Mozambique
Two days of heavy rain have disrupted the distribution of food to flooded communities in central Mozambique. The main road from the port of Beira to the small town of Save has again been cut. Helicopters were called in on Tuesday to rescue 30 people and sacks of food from vehicles trapped on the road by flood water.
Modify Remove
Posted by Dr. Kangatis

Wednesday, Mar 15, 2000 : NCAA: Michigan St, Arizona In First-Day Action
Big Ten Conference champion Michigan State, a Final Four team last season, and Pac-10 winner Arizona are the leading seeds in action when the NCAA Tournament – and March Madness – begins Thursday. Michigan State (26-7) is the top team in the Midwest, a region which features Big 12 champion Iowa State, Atlantic Coast Conference runner-up Maryland, Big East regular season co-champion Syracuse, and traditional powers Kentucky and UCLA. Arizona (26-6) earned the top seed in the West region after completing a sweep of Pac-10 co-champion Stanford last week. Big East tournament winner St. John's, Oklahoma, Louisiana State, Texas and Purdue are the top teams in the region. Michigan State, seeking its first national championship since Magic Johnson led the team to a title in 1979, faces 16th-seeded Valparaiso (19-12) Thursday night in Cleveland. The Spartans lost to Duke in last year's Final Four.
Modify Remove
Posted by Dr. Kangatis

Document Properties Print Page Back Forward Home

FIG. 17

3 CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

Nux/blackboard.com/course/instructor/index.htm

Your Institution
UNIVERSITY

My Institution Courses Community Services

COURSES > INTRODUCTION TO MUSIC > CONTROL PANEL > COURSE INFORMATION

Course Information

1808

1806

1802

1804

Current Folder = "Course Information"

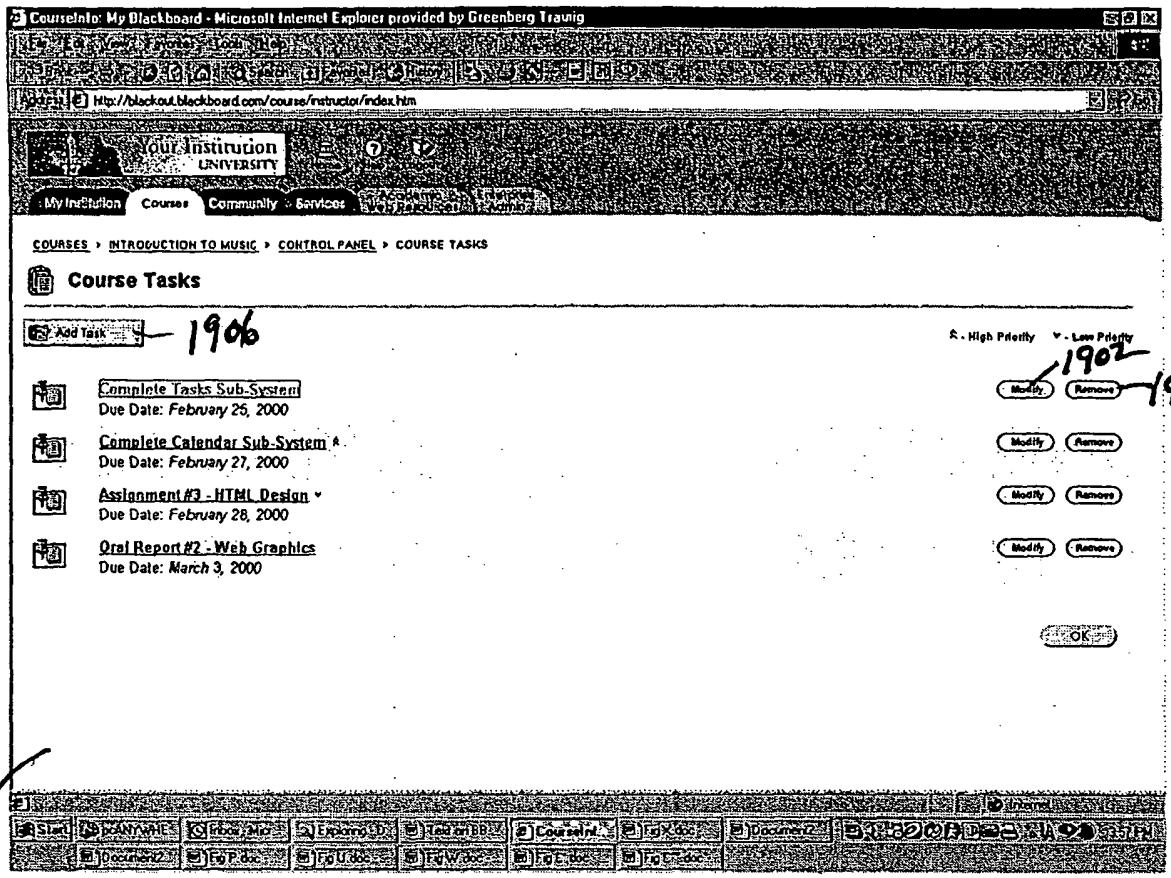
1. Welcome to Music 101
[Cool Image of Animated Musical Notes](#)

2. The Primary Course Objective
The primary objective of this course is to provide you, the student, an elementary knowledge of the basic elements of music theory including the grand clef, understanding time and note values and mastering the scales as well as their associated key signatures.

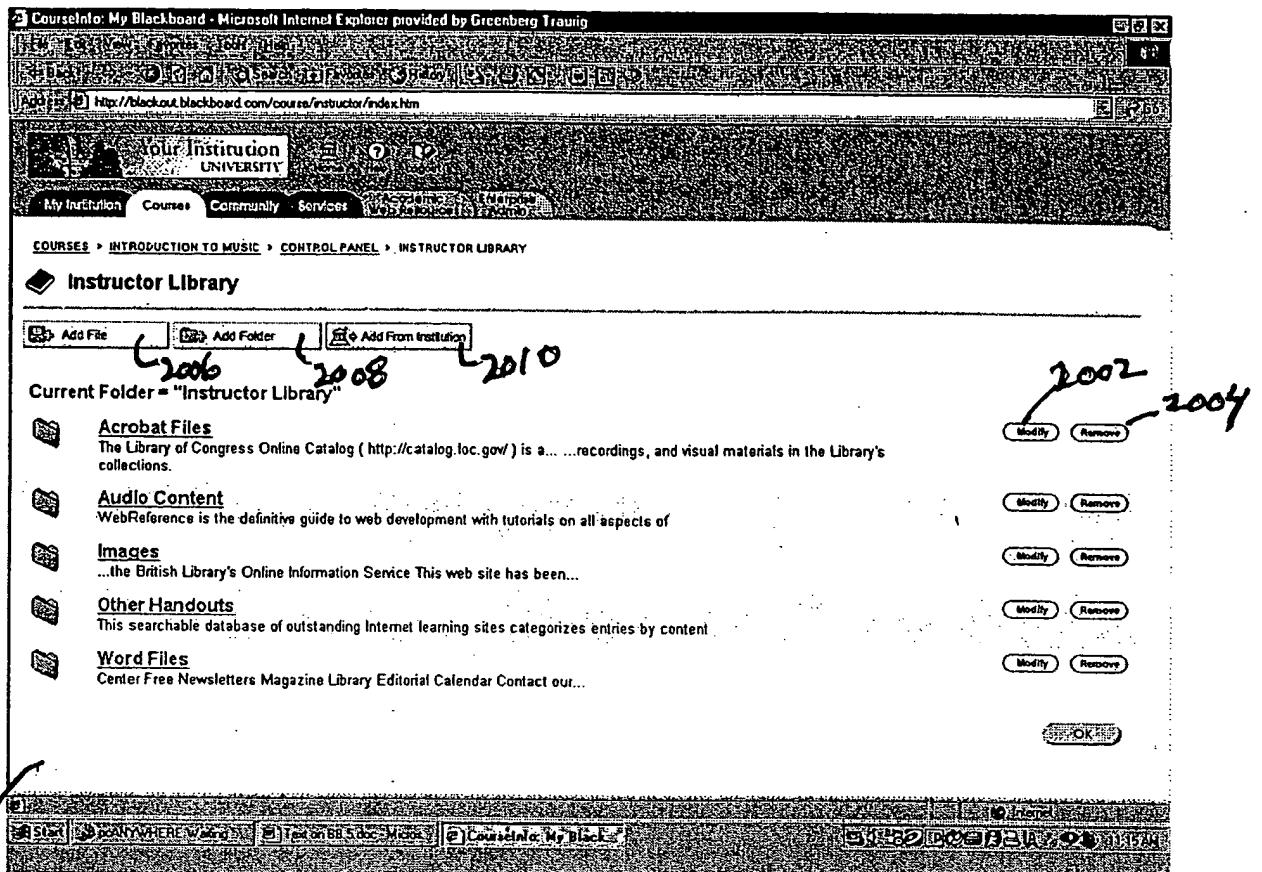
3. Course Materials
[Complete Materials List \(Word document\)](#)
Some of the materials in this course have supporting visual aids created for the Macromedia FLASH plug-in. These aids provide visual reinforcement of the lesson materials but are not a required element of the course. If you do not see an animated Welcome message when you first open this course, your browser does not have the FLASH plug-in installed. If you would like to experience the multimedia lesson aids [click here to install the FLASH plug-in](#).

1800

FIG. 18



Feb 19



2000

FIG. 20

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

http://blackout.blackboard.com/course/instructor/index.htm

My Institution UNIVERSITY

COURSES > INTRODUCTION TO MUSIC > CONTROL PANEL > DIGITAL DROPBOX

Digital Dropbox

Add File Send File → 2102

2104

- Assignment #2 (2204)
Submitted by: Daniel Cane
Received on: February 25, 2000 9:26am Remove
- Assignment #2 (2204)
Submitted by: Tim Chi
Received on: February 24, 2000 8:27pm Remove
- Assignment #1 (2204)
Submitted by: Emilio Ramos
Received on: February 24, 2000 4:48pm Remove
- Assignment #3 Draft (2204)
Posted on: February 20, 2000 Remove
- Lecture #3 Outline (2204)
Posted on: February 09, 2000 Remove

Page: 1 2 3 4 5 [Next >>] OK

2100

F16.21

Blackboard Learning System TM (Release 6) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: et.jsp?tab=courses&url=/bin/common/course.p!course_id=_2_1

Your Institution UNIVERSITY

Home Help Logout

My Institution Courses Community Services System Admin

COURSES > PATENT > CONTROL PANEL > GRADEBOOK 2200

View Spreadsheet

2202 2204 2206 2208 2210 2212

Add Item Manage Items Gradebook Settings Weight Grades Download Grades Upload Grades

2214 2216 2218

Sort Items by: Position Go Filter Items by Category: All Go Filter Users by Last Name: All Go

Student Name (Last, First)	Mid-Term Assignment	Total	Weighted Total
Alcorn, Bob	Pts Possible: 0 Weight: 0%	100	100 0%

1 Students
Displaying records 1 - 1

In Progress
No Information
Needs Grading
Grading Error
Completed

Denotes a non-visible item

<<Previous 1 Next>>

OK

Powered by Blackboard Internet

The screenshot shows a Microsoft Internet Explorer window displaying a Blackboard Learning System Gradebook. The title bar reads "Blackboard Learning System TM (Release 6) - Microsoft Internet Explorer". The address bar shows the URL "et.jsp?tab=courses&url=/bin/common/course.p!course_id=_2_1". The page header includes links for "Your Institution UNIVERSITY", "Home", "Help", and "Logout". Below the header are navigation tabs: "My Institution", "Courses", "Community", "Services", and "System Admin". A breadcrumb trail indicates the current location: "COURSES > PATENT > CONTROL PANEL > GRADEBOOK 2200". The main content area is titled "View Spreadsheet". At the top of the spreadsheet, handwritten numbers 2202, 2204, 2206, 2208, 2210, 2212, 2214, 2216, and 2218 are written over the column headers. Below the header row, there are buttons for "Add Item", "Manage Items", "Gradebook Settings", "Weight Grades", "Download Grades", and "Upload Grades". The "Sort Items by" dropdown is set to "Position" and has a "Go" button. There are also filters for "Category: All", "User Last Name: All", and a "Go" button. The data table has four columns: "Student Name (Last, First)", "Mid-Term Assignment", "Total", and "Weighted Total". One student record is shown: "Alcorn, Bob" with a "Mid-Term Assignment" of "Pts Possible: 0 Weight: 0%", a "Total" of 100, and a "Weighted Total" of 100/0%. Below the table, it says "1 Students" and "Displaying records 1 - 1". A legend defines icons: a checkmark for "In Progress", a question mark for "No Information", a red circle for "Needs Grading", a yellow exclamation mark for "Grading Error", and a green checkmark for "Completed". A note at the bottom left says "Denotes a non-visible item". Navigation buttons "<<Previous 1 Next>>" and an "OK" button are present. The footer includes "Powered by Blackboard" and "Internet".

Figure 22.

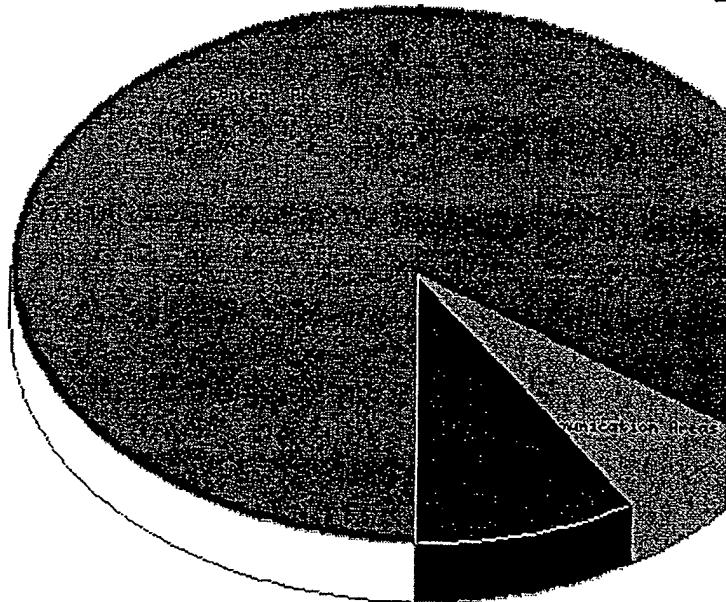
Course Statistics

Statistics Generated on Thursday, February 24, 2000 11:26:28 AM
Note: You may have to reload/refresh this page for the images to be correct.

Total Number of Accesses per Area - 2302
Number of Accesses over Time - 2304
User Accesses per Hour of the Day - 2306
User Accesses per Day of the Week - 2308
Total Accesses by User - 2310

Total Number of Accesses per Area

Area Name	Hits	Percent
Content Areas	139	83.2 %
Communication Areas	10	5.98 %
Group Areas		0 %
Student Areas	15	8.98 %
Total	167	100 %



Number of Accesses over Time

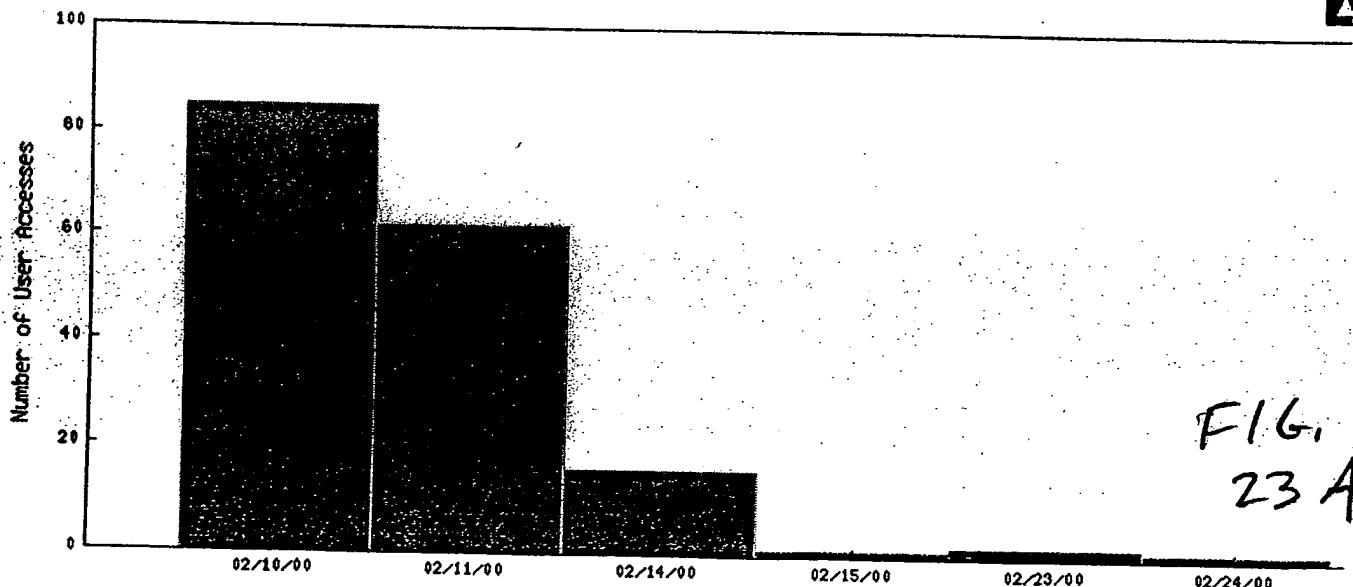
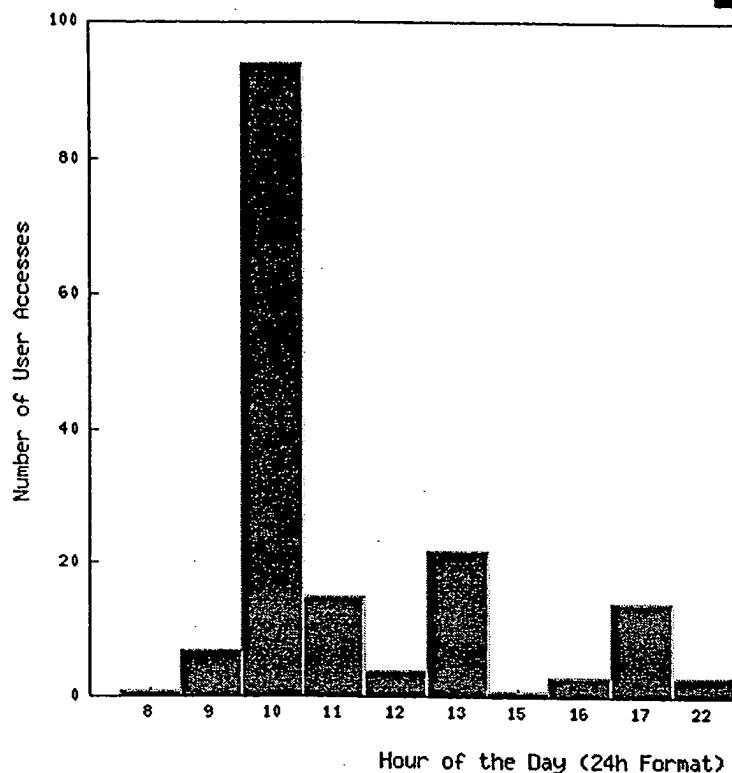


FIG.
23 A

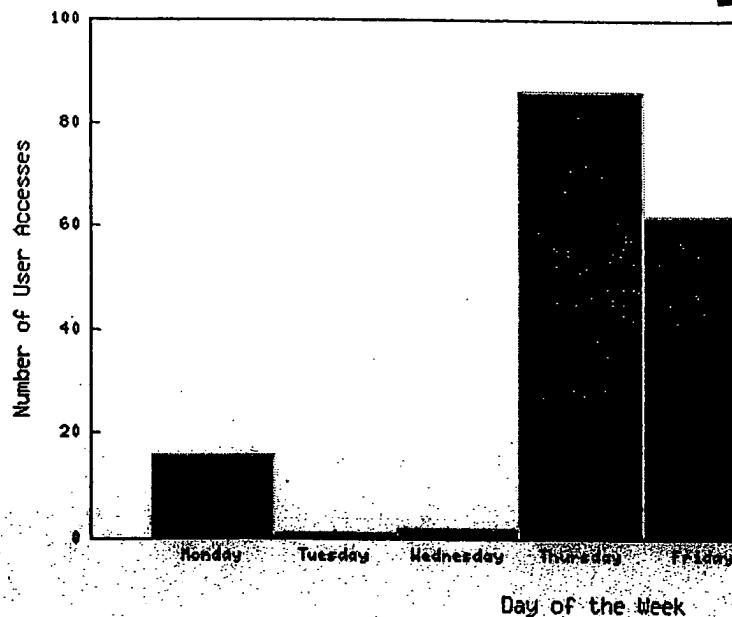
User Accesses by Hour of the Day *2306*

Hour of The Day	Hits	Percent
8	1	0.59 %
9	7	4.19 %
10	94	56.2 %
11	15	8.98 %
12	4	2.39 %
13	22	13.1 %
15	1	0.59 %
16	3	1.79 %
17	14	8.38 %
22	3	1.79 %
23	3	1.79 %
Total	167	100 %



User Accesses by Day of the Week *2308*

Day of The Week	Hits	Percent
Monday	16	9.58 %
Tuesday	1	0.59 %
Wednesday	2	1.19 %
Thursday	86	51.4 %
Friday	62	37.1 %
Total	167	100 %



2300

FIG.
23B

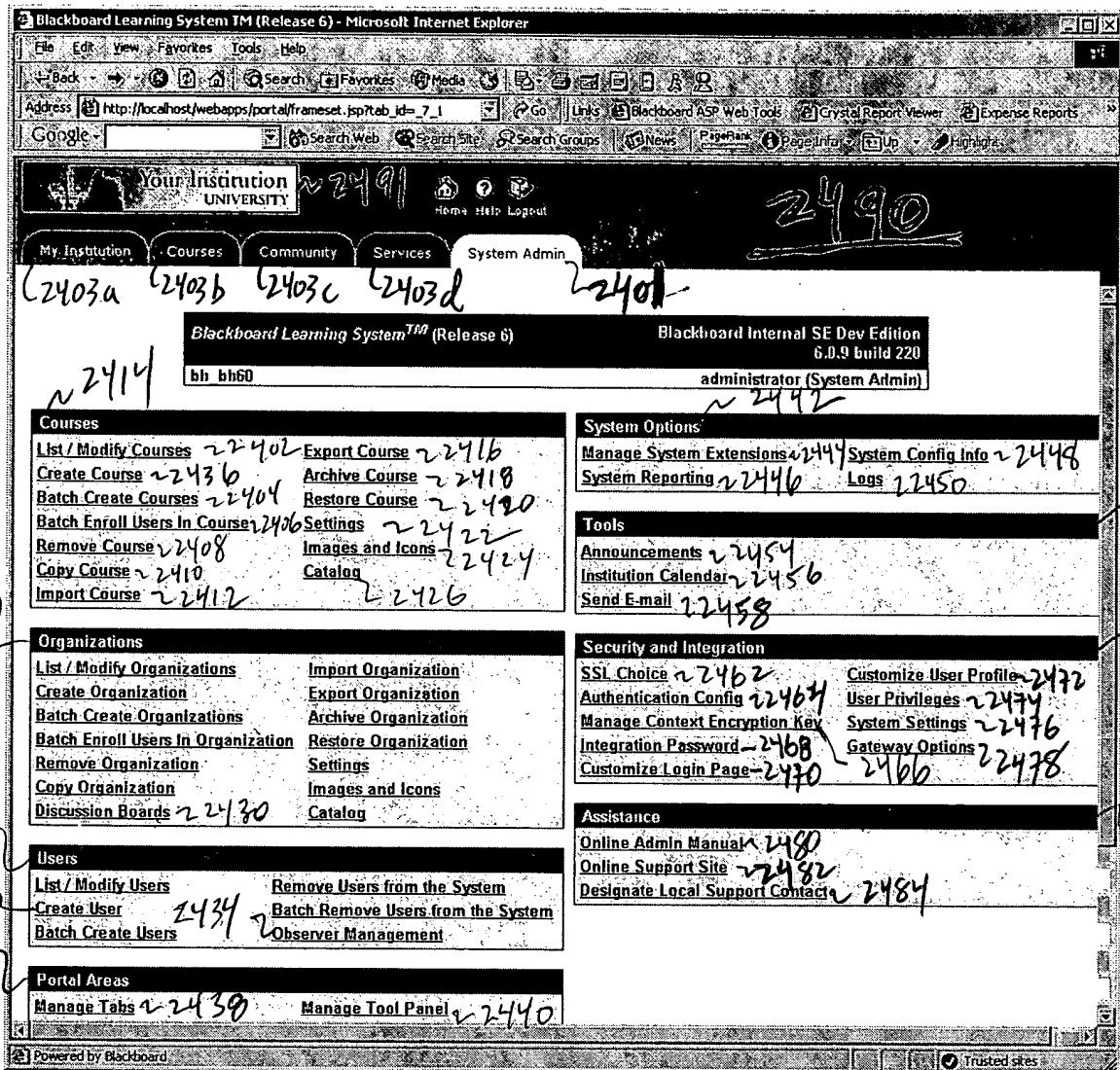


FIG. 24

2500

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Blackboard Inc.

File Edit View Favorites Tools Help

Back Stop Refresh Home Search Favorites Stop Help

Address http://georgetown1/Blackout_v30/bb_admin/frames/frame_enterprise_community.html

Your Institution UNIVERSITY

My Institution Courses Community Services Web Resources

COMMUNITY SEARCH

Search the Web:

advanced search

Club List:

Add

Clubs of which you are a Member:

- College Democrats**
Meet with other Democrats to fight the Republicans
- Sigma Alpha Mu**
Greek Life
- Football**
- Intramural Basketball**
Join a team every Tuesday night.
- Math Club**
If you are good at math join us. No Calculus required (joke).

Discussion Boards:

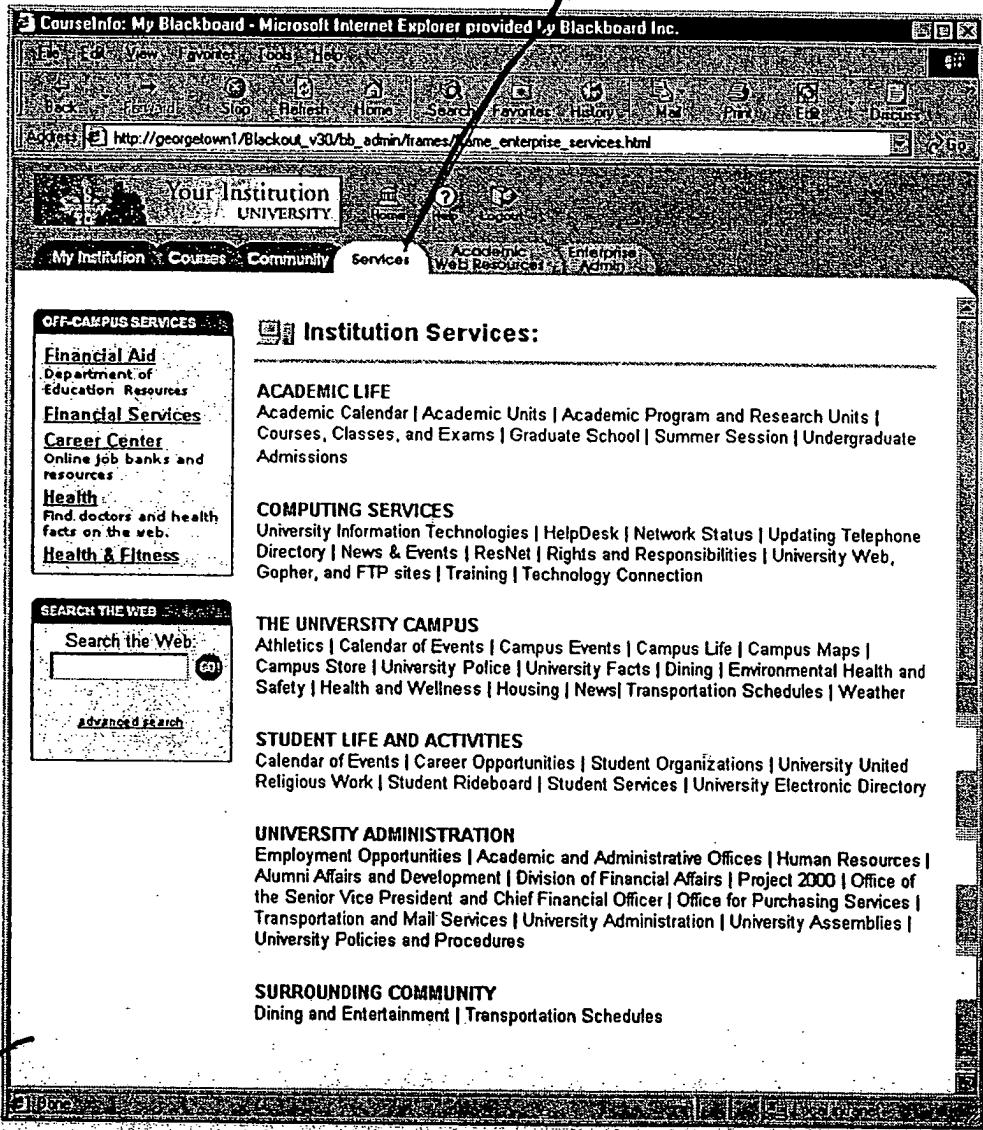
Add

- Housing**
Looking for a roommate, or have housing questions. Post here.
- Greek Life**
Greek, Academics, Nightlife
- Ride Board**
Find a ride home or offer a ride.
- Study Groups**
Humor, Video Games, Gaming
- College Sports**
Working Out, Nutrition
- Teacher's Lounge**
Where teachers can chat
- Home Help**
Need help from home
- Social Life**
Party hosted by Letts Hall at Quigley's Midtown.
- Politics**
Let's get those darn Independents.
- Intramurals**
Join or start your own intramural sports team.

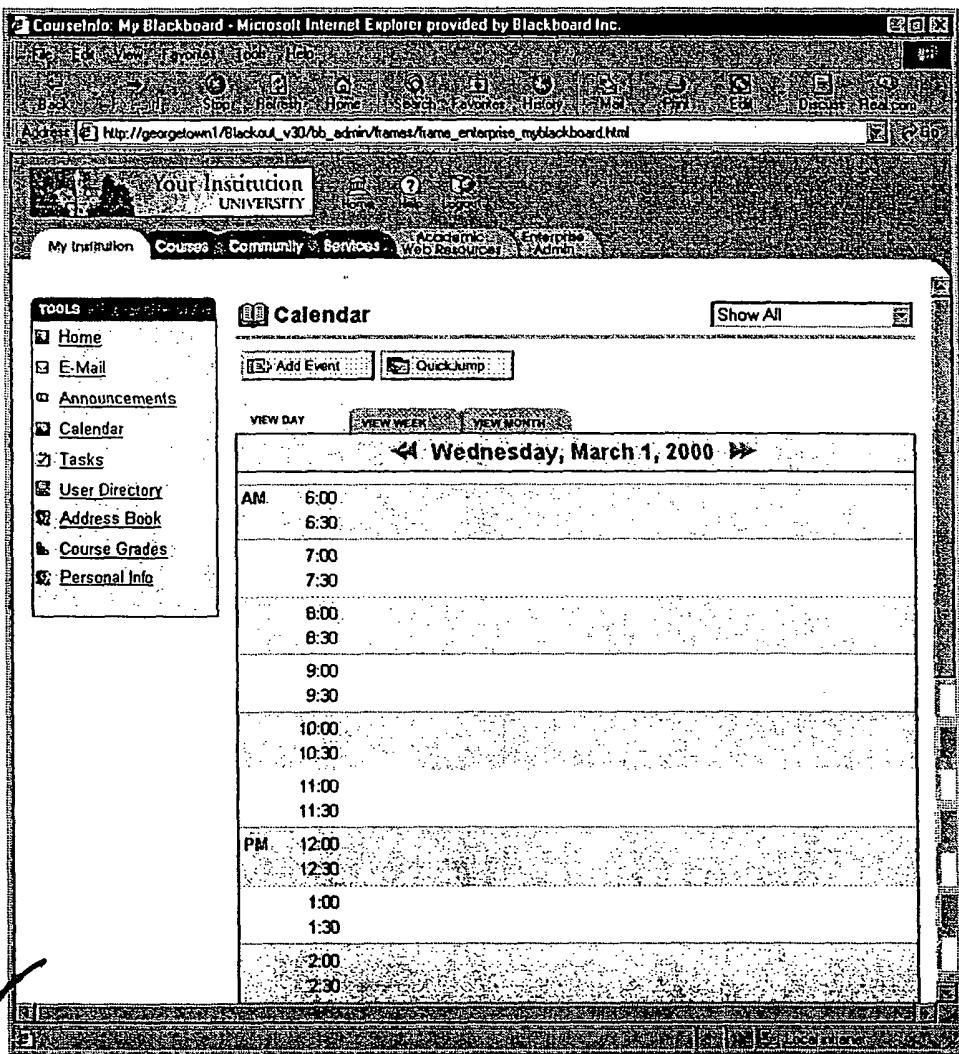
Club Catalog:

- **Theater and the Arts**
- **Business & Investing**
- **Christianity**
- **Computers & Internet**
- **Cooking, Food & Wine**
- **Entertainment**
- **Health, Mind & Body**
- **History**
- **Home & Garden**
- **Literature & Fiction**
- **Oprah**
- **Parenting & Families**
- **Professional & Technical**

FIG. 25



2600
FIG. 26



2700

FIG. 27

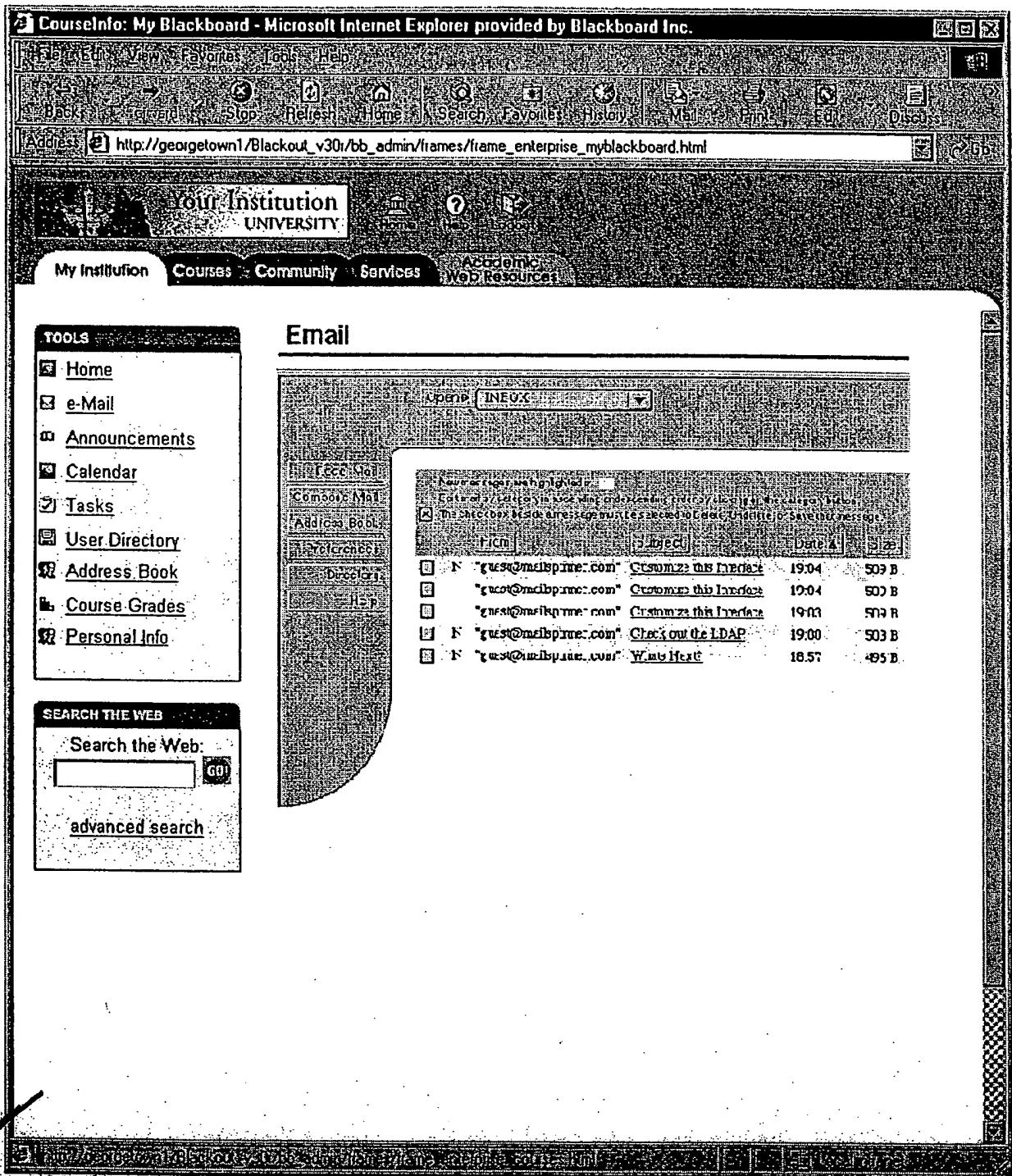


FIG. 28

2900

Create A New Course

Course Information

Course Name:

Course ID:

Description:

Course Design

Button Type: Pattern Solid Gradient

Button Shape: Rectangular Rounded Ends Rounded Corners

Button Style: Standard Black Stone Blue Brick Blue Concrete Blue Coral Blue Lava

Course Options

Select Type: Subject Area: SELECT A SUBJECT AREA

Discipline: General

Guest Access: Guests are allowed to visit this course. Guests are not allowed to visit this course.

FIG. 29

2900

Course Catalog

Guest Access: Guests are allowed to visit this course. Guests are not allowed to visit this course.

Available: Yes No

Select Course Catalog Category: Uncategorized

Course Cartridge: (optional) Please enter your Course Cartridge Access Key:
If you do not have an Access Key, please visit <http://cartridges.blackboard.com> to locate a Course Cartridge.

Instructor: Instructor ID: Create New Instructor

Submit

Click "Submit" to finish. Click "Cancel" to end this process.

3000

COURSEINFO: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

http://blockout.blackboard.com/bb_admin/frames/frame_enterprise_enterpriseadmin.htm

Your Institution UNIVERSITY

My Institution Courses Community Services Academic Resources Enterprise Admin

ADMINISTRATION PANEL > CREATE USER

Create User

1 Personal Information

*First Name:

Middle Name:

*Last Name:

*E-mail:

Student ID:

2 Account Information

*User Name:

*Password:

*Verify Password:

3 Other Information

Start (1) DOWN WHERE WAS (2) Index - Microsoft Word (3) Explorer Desktop (4) Ted on BB5.doc (5) CourseInfo_My_B (6) 15207.DOC (7) 14993.IR.PDF
 (7) F92.doc - Microsoft (8) Document20 - Microsoft (9) Document21 - Microsoft (10) P.doc - Microsoft (11) F93.S doc - Microsoft

FIG.
30A

3000

COURSEINFO: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

http://blockout.blackboard.com/bb_admin/frames/frame_enterprise_enterpriseadmin.htm

Your Institution UNIVERSITY

My Institution Courses Community Services Academic Resources Enterprise Admin

Gender: Male Female

Birthday: January 1 , 19 76

Education: Undergraduate Student

Company:

Department:

Job Title:

Address:

Address: (cont.)

City:

State / Province:

Zip / Postal Code:

Country:

Web Site:

Home Phone:

Work Phone:

Start (1) DOWN WHERE WAS (2) Index - Microsoft Word (3) Explorer Desktop (4) Ted on BB5.doc (5) CourseInfo_My_B (6) 15207.DOC (7) 14993.IR.PDF
 (7) F92.doc - Microsoft (8) Document20 - Microsoft (9) Document21 - Microsoft (10) P.doc - Microsoft (11) F93.S doc - Microsoft

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

http://blockout.blackboard.com/bb_admin/items/item_enterprise_enterpriseadmin.html

Your Institution
UNIVERSITY

My Institution Courses Community Services Enterprise Admin

Work Phone: _____

Work Fax: _____

Mobile Phone: _____

④ Role and Availability

Primary Institution Role: Student Faculty Staff Other

Administrative User Role:
 If you would like user to have an administrative role, please select the role:
 (Note: Administrative Access grants the user access to the System Administration Control Panel)

None System Admin System Support
 Course Creator Account Administrator

⑤ Submit

* - Required Field for Form Entry

Click "Submit" to finish. Click "Cancel" to end this process.

<input checked="" type="checkbox"/> Student	<input type="checkbox"/> Faculty	<input type="checkbox"/> Staff	<input type="checkbox"/> Other	<input type="checkbox"/> Course Creator	<input type="checkbox"/> Account Administrator
<input type="checkbox"/> Admin	<input type="checkbox"/> System Admin	<input type="checkbox"/> System Support	<input type="checkbox"/> System Monitor	<input type="checkbox"/> Grade Book Manager	<input type="checkbox"/> Grade Book Monitor
<input type="checkbox"/> Grade Book Manager	<input type="checkbox"/> Grade Book Monitor	<input type="checkbox"/> Document Manager	<input type="checkbox"/> Document Monitor	<input type="checkbox"/> Test Manager	<input type="checkbox"/> Test Monitor
<input type="checkbox"/> Document Manager	<input type="checkbox"/> Document Monitor	<input type="checkbox"/> Test Manager	<input type="checkbox"/> Test Monitor	<input type="checkbox"/> Content Manager	<input type="checkbox"/> Content Monitor
<input type="checkbox"/> Content Manager	<input type="checkbox"/> Content Monitor	<input type="checkbox"/> Grade Book Manager	<input type="checkbox"/> Grade Book Monitor	<input type="checkbox"/> Document Manager	<input type="checkbox"/> Document Monitor

3000

F1G 30B

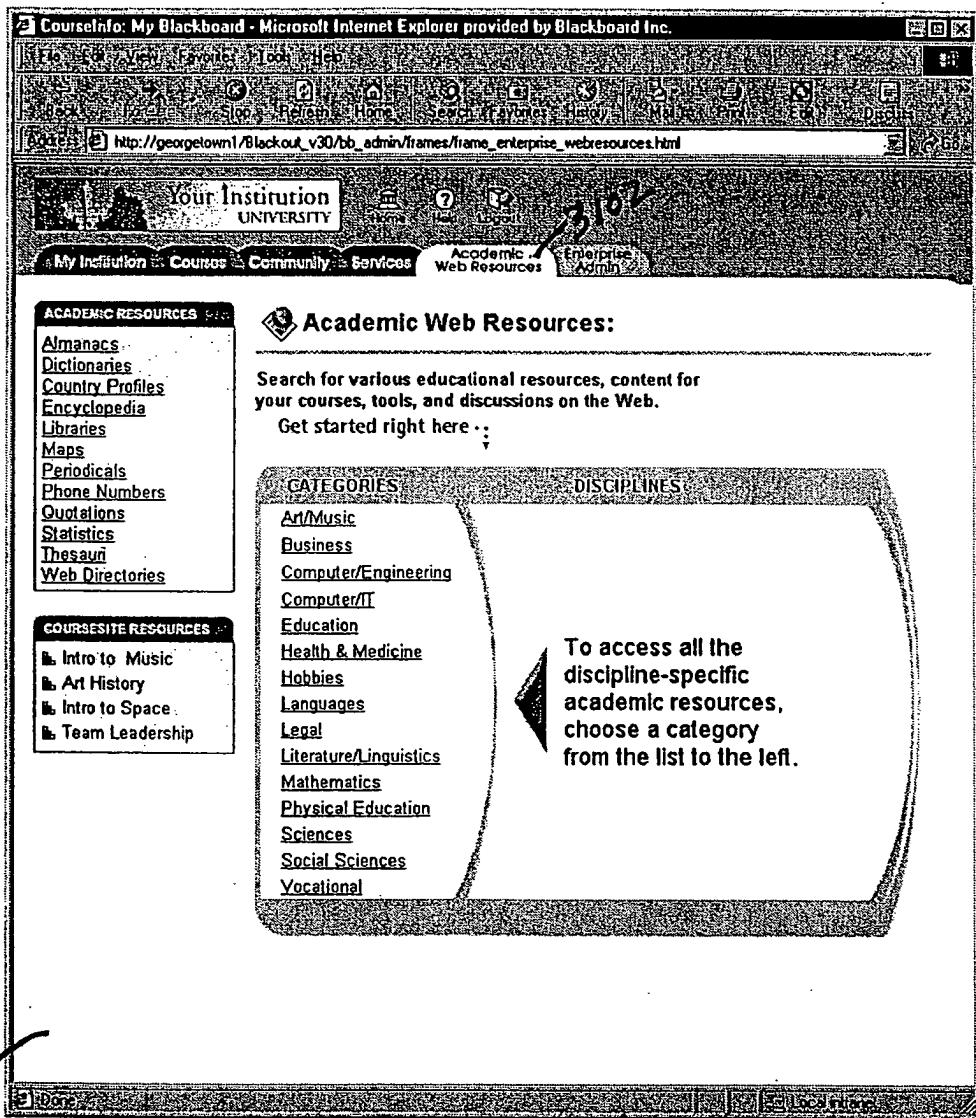


FIG. 31

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Blackboard Inc.

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Options Window Details

Address http://georgetown1/Blackout_v30/bb_admin/frames/frame_enterprise_webresources.html

Your Institution UNIVERSITY

My Institution Courses Community Services Academic Web Resources Enterprise Admin

Social Sciences and Social Study : History

News

Vietnam Starts Marking 1975 Battle Victories
Mar 10 - The Washington Times
HANOI - Vietnamese started celebrating yesterday the 25th anniversary of the victory of communist troops in the key town of Ban Me Thuot - a battle that marked the beginning of the end of the Vietnam War. [FULL STORY](#)

U.S. must support democracy - not just the military - in Colombia
Mar 10 - The Washington Times
The March 7 article "Homes, land abandoned as civil war continues" makes reference to how Colombia's civil war between leftist guerrillas and government security and paramilitary groups has expanded to the point where noncombatants are being affected. [FULL STORY](#)

F16s needed
Mar 10 - The Dominion
The RNZAF needs the most modern aircraft available to maintain the skills necessary for its attack and strike capability, not only for defence but to assist our close allies. [FULL STORY](#)

Reunion plain sailing
Mar 10 - Waikato Times
A perfect landing started a perfect reunion when World War II pilot Dusty Miller watched an immaculately rebuilt 1940 Hawker Hurricane touch down at Wanaka Airport yesterday. [FULL STORY](#)

Poor site testing 'threatens heritage'
Mar 10 - The Irish Times
Archaeological treasures in the Republic are at risk of being destroyed because of inadequate site-testing by archaeologists, according to a report published yesterday.

Research Center

Périodical Search:

Boolean Search
 Natural Language Search

Search all articles
 Search only this discipline

Browse by Topic:

[Early National Period](#)
[Great Depression](#)
[Jacksonian America](#)
[Labor Movement](#)
[The Cold War](#)
[Vietnam War](#)
[World War I](#)
[World War II](#)

Web Search:

Communities

Social Sciences and Social Study for Students

Discussion Boards

[Learn about my civilization](#)

3200

FIG. 32

Blackboard Learning System TM (Release 6) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Search Favorites Media Home Links Blackboard ASP Web Tools Crystal Report Viewer

Address: set.jsp?tab=courses&url=/bin/common/course.pl?course_id=2 Go Links Blackboard ASP Web Tools Crystal Report Viewer

Google Search Web Search Site Search Groups News PageRank Page Info Up Highlight

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services System Admin

Announcements Course Information Staff Information Course Documents Assignments Communication Discussion Board External Links Tools

Course Map Control Panel Quick Unenroll

COURSES > PATENT > COMMUNICATIONS > COLLABORATION

Collaboration Sessions

Filter: Session Name Start Date End Date (MM-DD-YY)

Show All GO Search

Displaying sessions 1-2 of 2

Session Name	Type	Start Date	End Date
Lecture Hall	Virtual Classroom	✓ 3/3/02	
Office Hours	Lightweight Chat	✓ 3/3/04	

2 Sessions Displaying sessions 1-2 OK

Powered by Blackboard Internet

✓ 3/3/02

Figure 33A.

✓ 3/3/02

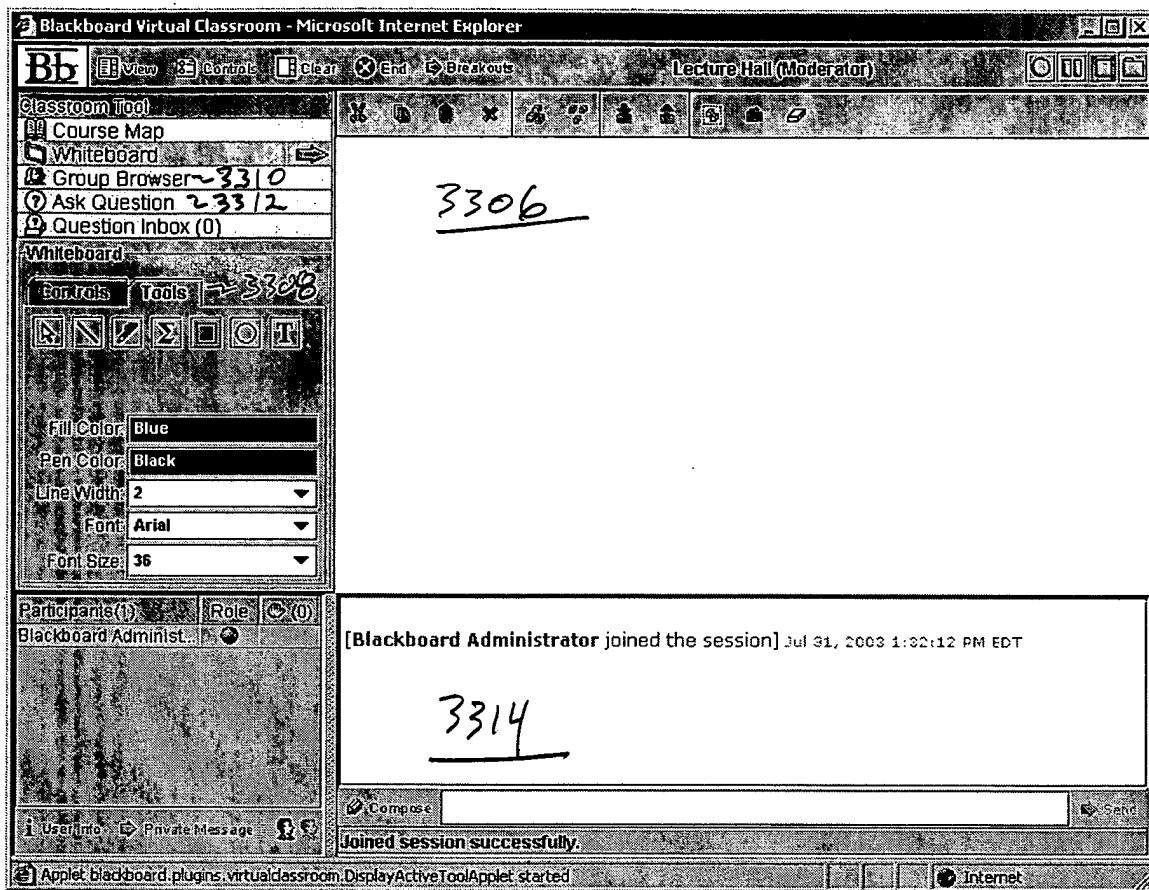
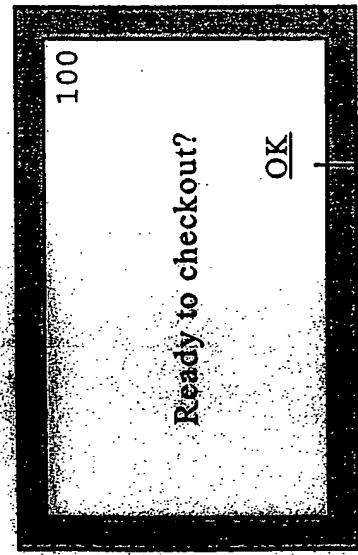


Figure 33B

3314
3450

Linking to the E-Commerce Server

Myservr.blackboard.com



The link to butter passes the following information:

name: Name of the purchaser

address_1

address_2

city

state

zip

country

price: price in USD that the user is being asked to pay

order-id: null if butter should generate an order number (default)

order-descr: Text description of what the user is buying.

url: the location the referring server that butter should return the user to after the payment process is complete

block 120

Butter blackboard.com
Linux Apache, Red C6E

hyperlink

34

Figure

First E-Commerce Screen Display

Butter.blackboard.com

The screenshot shows a payment confirmation page from Butter.blackboard.com. At the top, it says "Payment Information - Merchant". Below that, there's a large "Success" message with a checkmark icon. To the right, there's a "BB" logo and a "www.blackboard.com" link. The main content area has a black header bar with "3502" on the left and "3506" on the right. The text in the center reads:

Payment Information
The required payment information and click Purchase! After a few moments you will be returned to this screen confirming your payment. Please note that this service connection for online transactions, so there is no need to enter a credit card number online.

Purchase Summary
Registration Course registration—\$100.00
Total: \$100.00

Credit Card Information
Cardholder Name: [redacted]
Card Number: 3506 [redacted]
Expiry Date: [redacted]
CVV: [redacted]

Comments
Comments: [redacted]

Notes
Notes: Processing may take up to one minute to process your credit card.

Accepts VISA, MC, Diner's Club, JCB and Carte Blanche (but not Amex)

Whatever user info is available is populated from the data passed from the previous page.

The unique order number displayed is dynamically generated by the server.

The Chosen services and price displayed are passed in from the previous screen.

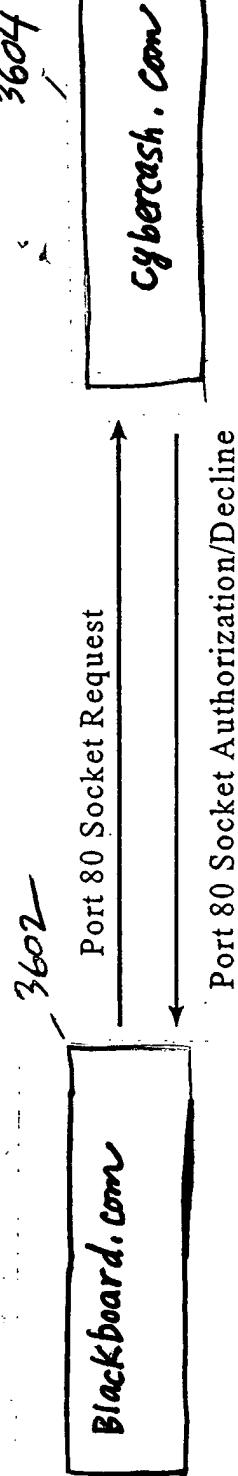
The look and feel of this plate (and all butter e-commerce pages) can be modified by an HTML template. This template is selected as one of the script parameters.

Figure

35

3500

Authorization Process



- The authorization process takes a minute or so.
- If the card is rejected, a page like the one at right is displayed.
- If the card is accepted, the payment goes through, and the page on the next slide is shown.

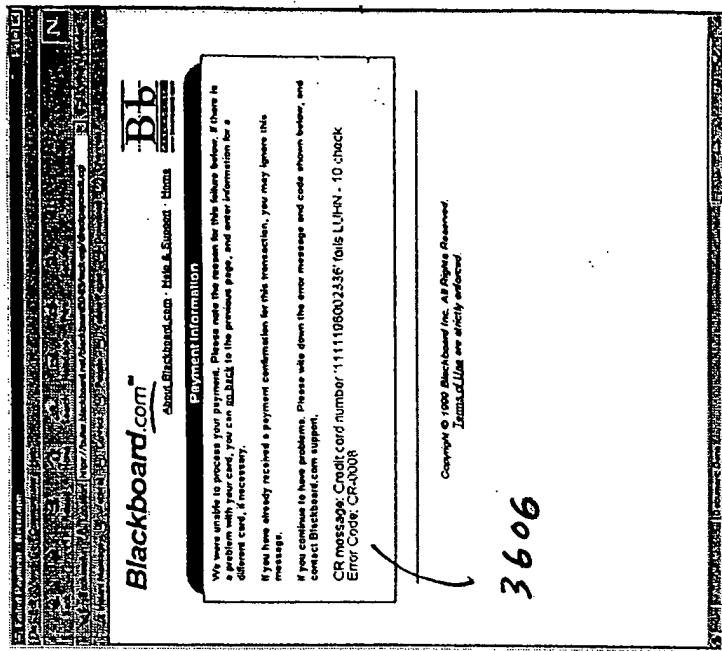
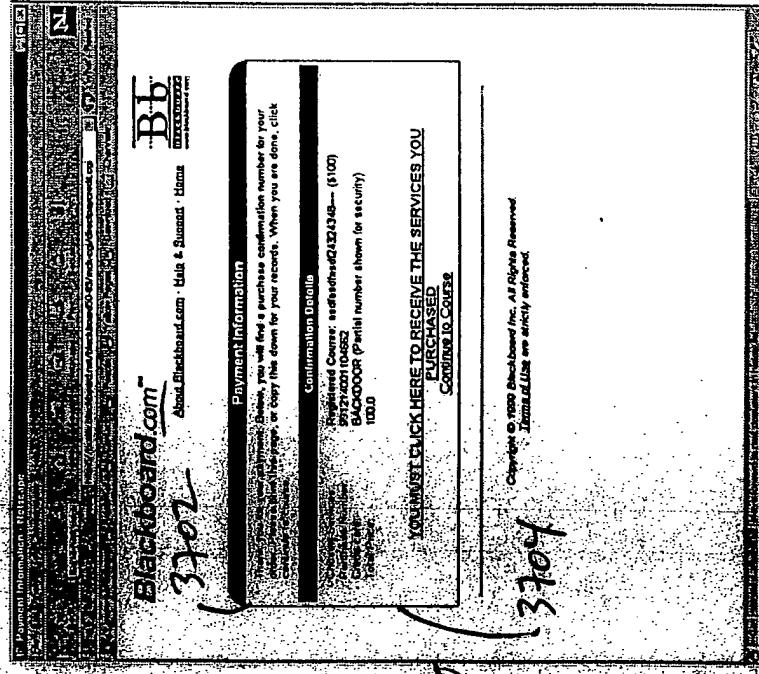


Figure
36

Second E-Commerce Screen Display

Butter.blackboard.com



Payment is authorized and queued at Cybercash, Inc for processing.

The payment will go through and appear in Blackboard's Cybercash account within 12 hours.

There is no way that the user can back out at this point without Blackboard issuing a manual refund.

No services are provided yet. The user must follow the link at the bottom of the page, or he will receive nothing for his money.

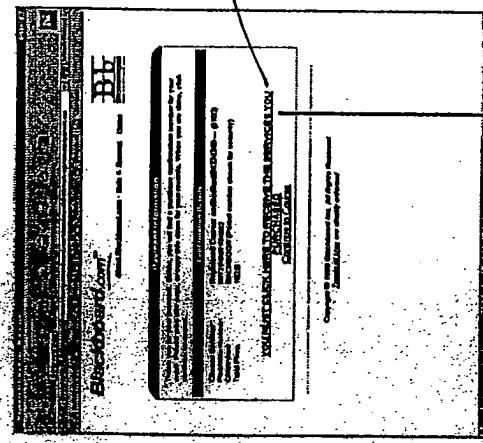
All links on this page are disabled except the one that says "YOU MUST CLICK HERE". This prevents users from failing to get their orders filled.

A authorization code is calculated by the script as a secure hash of the purchase price, the order id, and a secret number.

Figure

Returning to the Originating Server

Butter.blackboard.com



- The link at the bottom of the page points back to the referring server using the location passed in the URL parameter to the first butter script.
- The authorization code, the order_id and a subset of the credit card digits (show_card) are passed back as parameters.
- The authorization code should be checked upon return by making an identical hash calculation. If the two hash values match, the order should be fulfilled, otherwise, an error should be shown.



Figure

38

Blackboard Learning System TM (Release 6) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Menu

Address ?tab=courses&url=/bin/common/course.pl?course_id=21 Go! Links Customize Links Windows Media Windows

Google Search Web Search Site Search Groups PageRank Page Info Page Up Highlights

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services System Admin

COURSES > TEST > CONTROL PANEL > COURSE DOCUMENTS > ADD CONTENT

Add Content

1 Content Information

Name: Course Documents 23910
or specify your own name: 23912

Choose Color of Name: 23914

Text:
This is an equation placeholder: <00
[0| "SummationExample" | 100>
23920

23916

3902 3904 3906

Smart Text Plain Text HTML Preview

2 Content Attachments

Powered by Blackboard Trusted sites

3900

Figure 39
Sample Text Editor

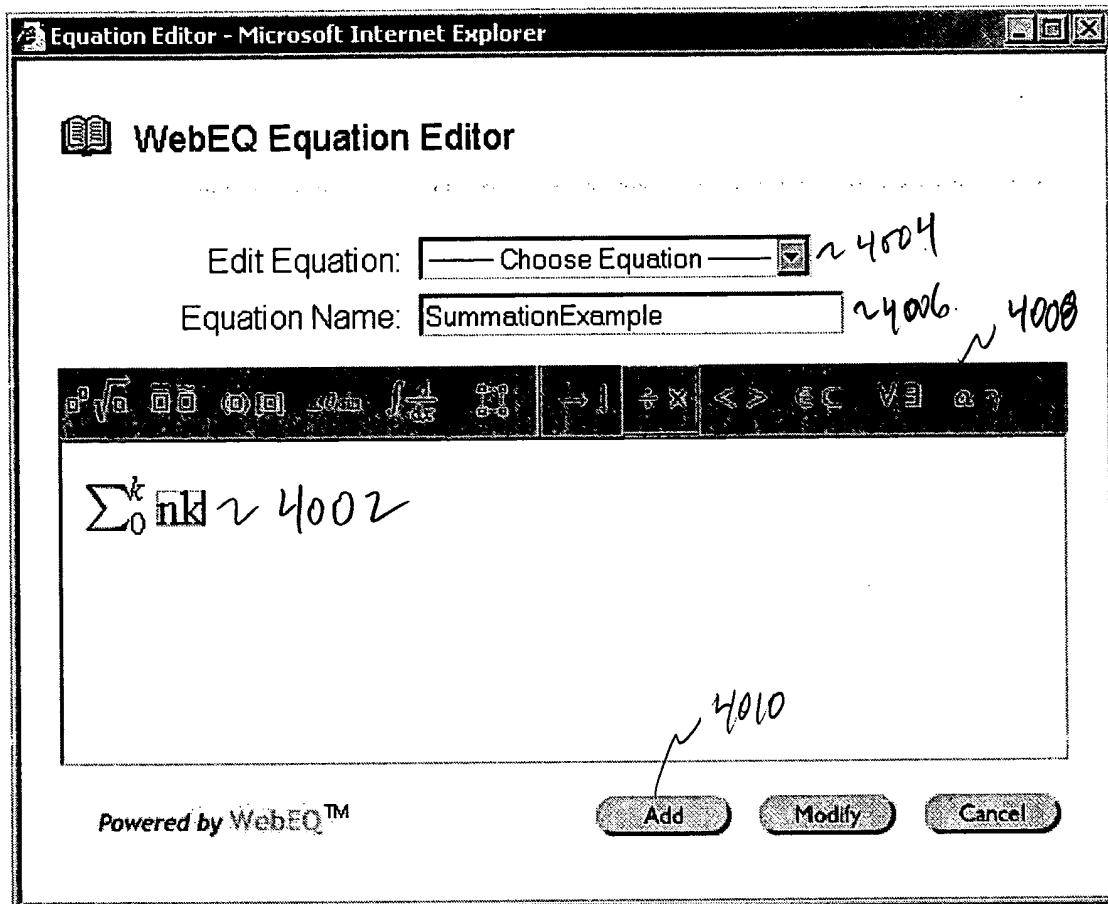


Figure 40
Sample Text Tool (integrated into Blackboard)

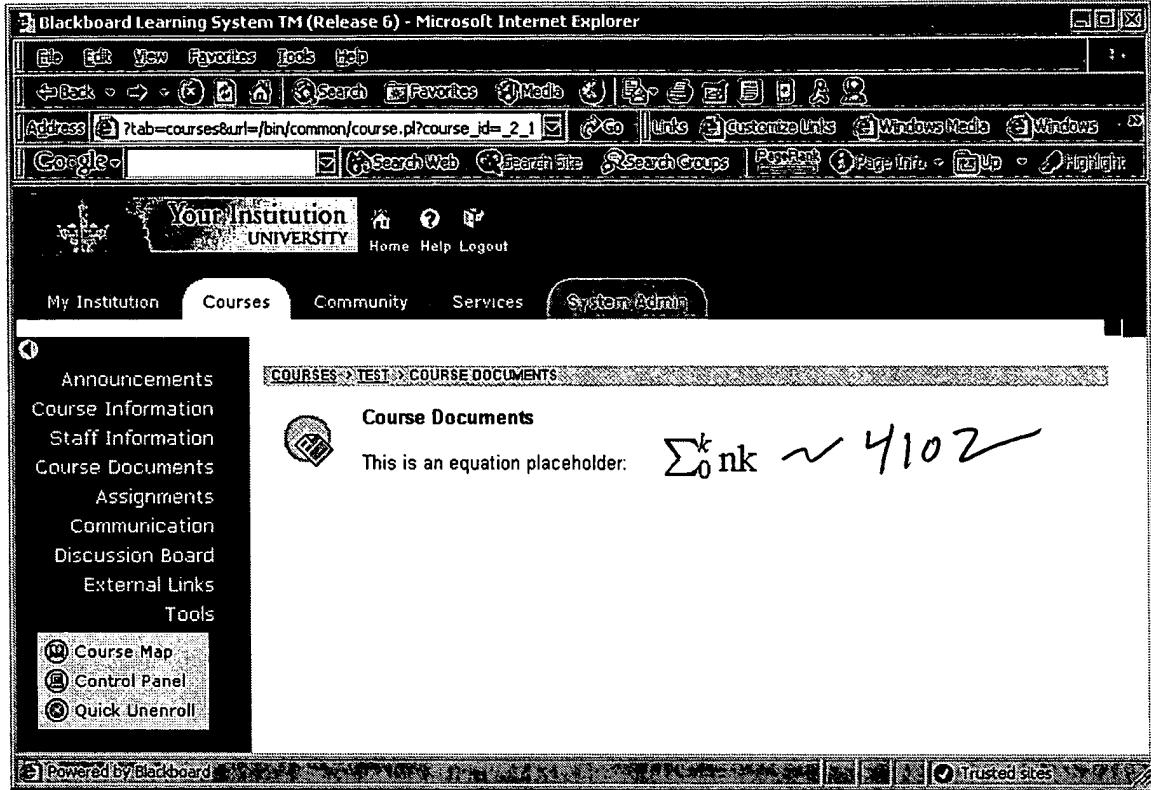


Figure 41
Rendered Data

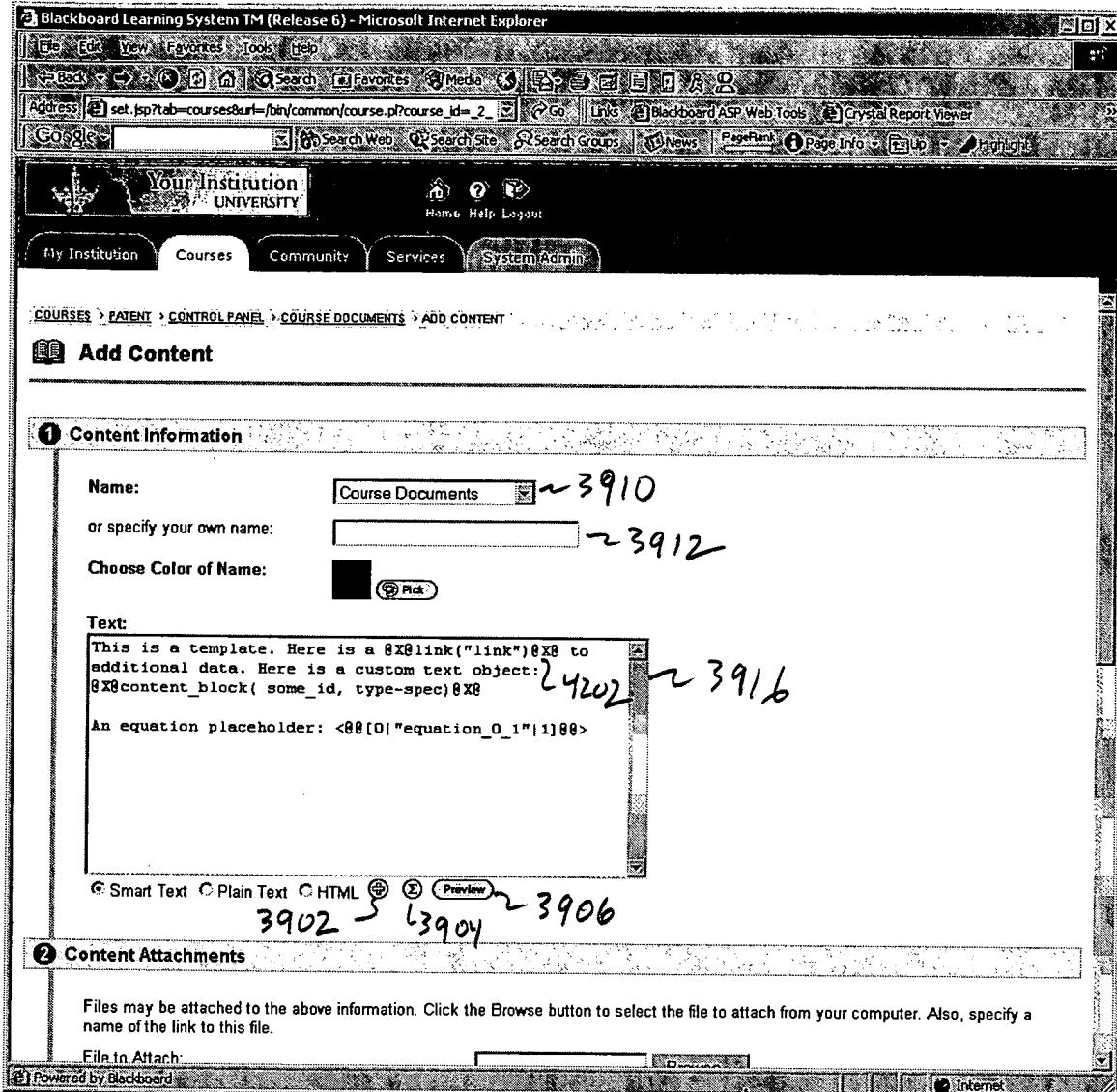


Figure 42.

Presentation Data (main_data)

4302

```
<P>This is a template. Here is a @X@link  
("link") @X@ to additional data. Here is a  
custom text object: <applet code=  
"webeq.Main" archive= "webeq.jar"><param  
name= "eq" value=<mathml>...</  
mathml>"></applet>
```

Presentation Data (main_data)

template 4304

```
This is a template. Here is a @X@link  
("link") @X@ to additional data. Here is a  
custom text object: @X@content_block  
(same_id, type-spec)@X@.
```

rawblock (same_id, typespec)

4306

FIG. 43

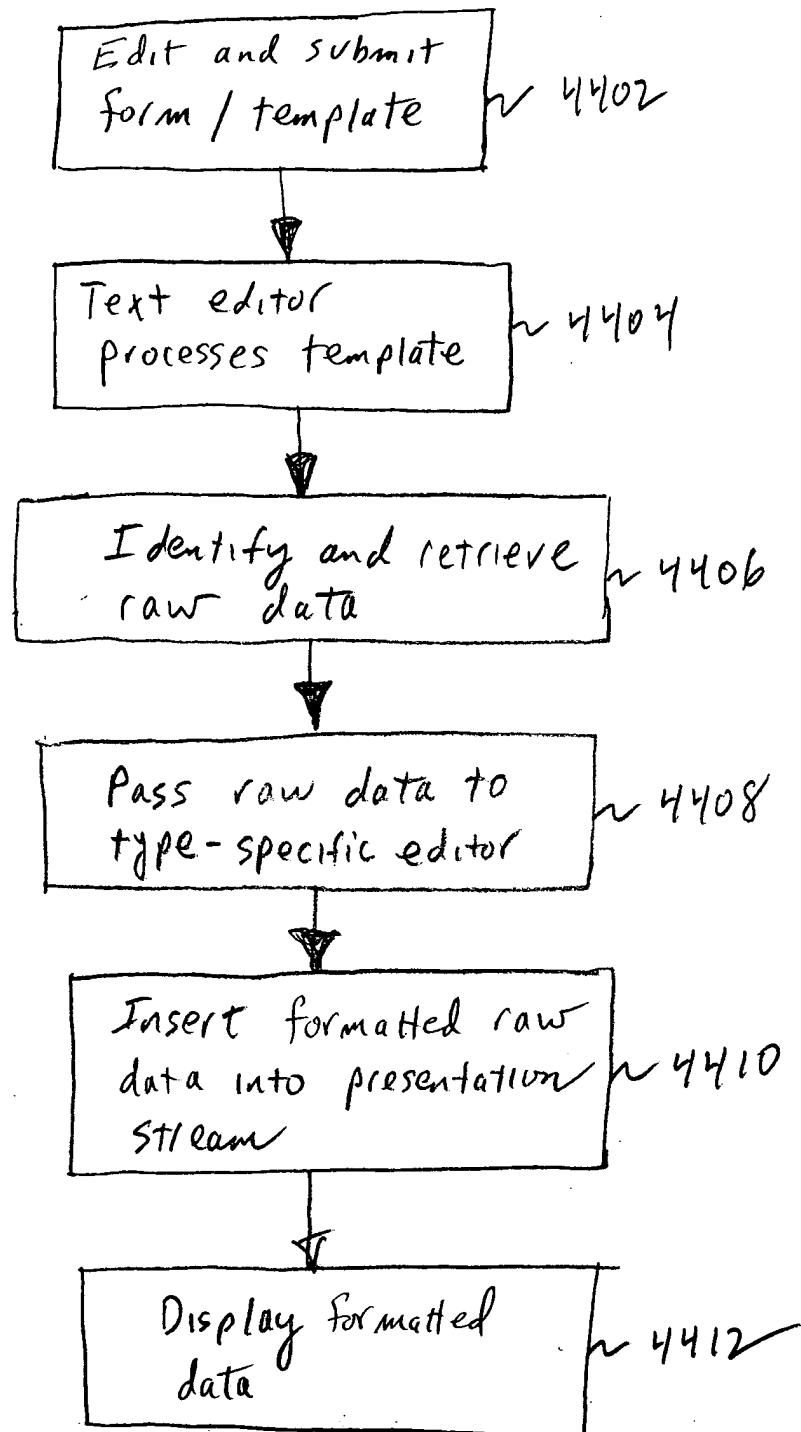
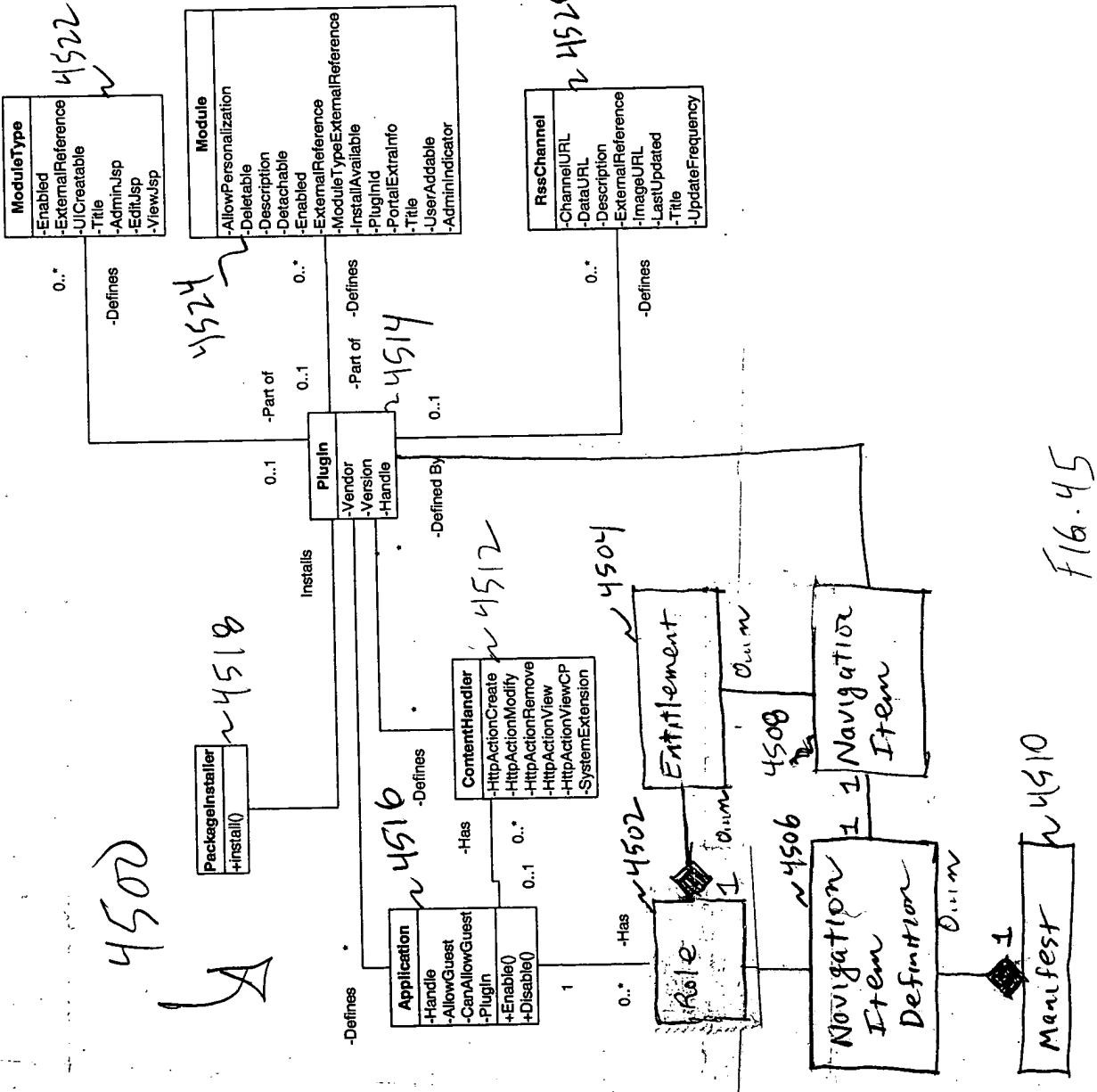


FIG. 44



f16.45

Fig. 46

User Name	Last	First	Role(s)	Ent. Element
		M.I.		course, modify
Jones	Allan	S.	A, I	calendar, modify
Smith	Jane	T.	C, T	course, modify calendar-modify
Lee	Alex	Y.	O	course, view

✓ 4602

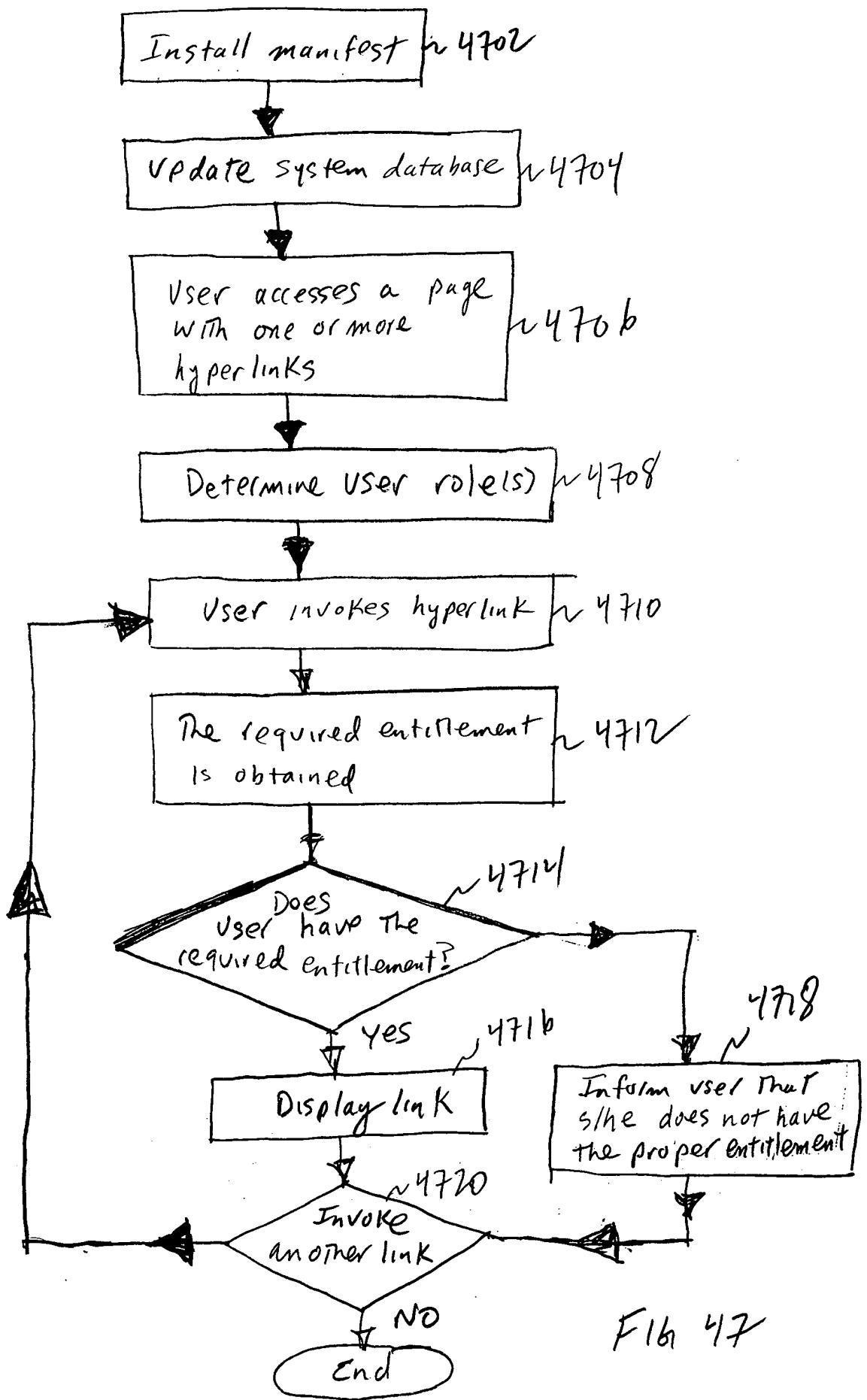


Fig 47

Blackboard Learning System TM (Release 6) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://localhost/webapps/portalframeset.jsp?tab_id=7_1 Go Links Blackboard ASP Web Tools Crystal Report Viewer Expense Reports

Google Search Web Search Site Search Groups News PageRank PageInfo Up Highlight

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services System Admin

ADMINISTRATION PANEL >MANAGE SYSTEM EXTENSIONS

Manage System Extensions

4802

Install Extension Download Extension

Installed System Extensions

Name	Vendor	Version	Status	Action
Astrology	Astrology.com	1.0.1	Available	View Components Remove
CNNModules	CNN	1.0.0	Available	View Components Remove
GoogleModule	Google	1.0.0	Available	View Components Remove
HETemplateModules	Blackboard Inc.	1.0.0	Available	View Components Remove
Maps	Mapquest	1.0.0	Available	View Components Remove
New York Times	New York Times	1.0.2	Available	View Components Remove
Time	Time	1.0.0	Available	View Components Remove
Travel	Expedia	1.0.0	Available	View Components Remove
WeatherModule	Weather.com	1.0.0	Available	View Components Remove
Zap2itModules	Zap2it	1.0.0	Available	View Components Remove
AOI WYSIWYG Editor	AOI Systems	2.5.8	Available	View Components Properties Remove
Blackboard Course Creation Wizard	Blackboard Research and Development	1.0.1	Available	View Components Properties Remove

OK

Powered by Blackboard Trusted sites

FIG. 48

4802

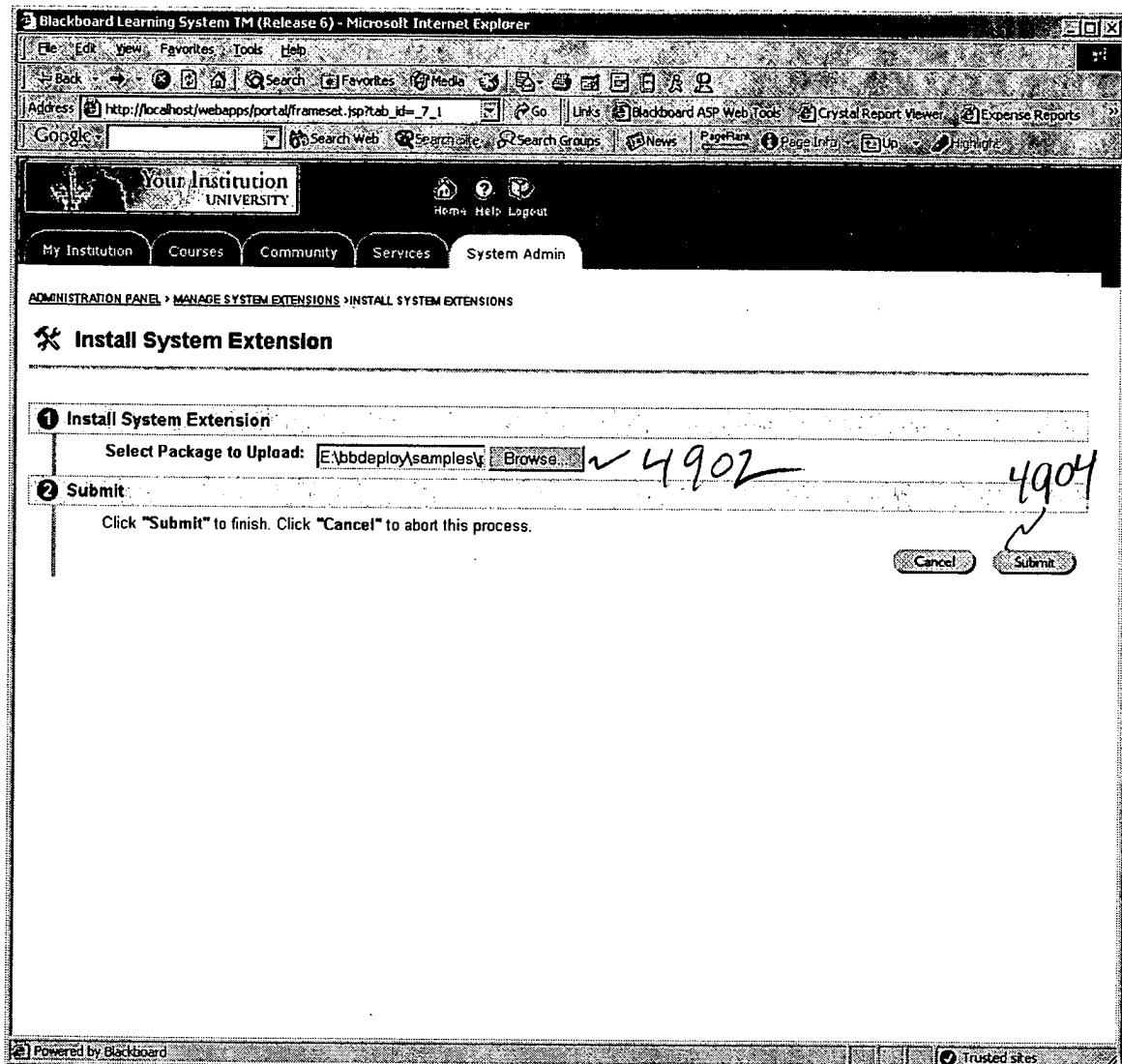


FIG. 49

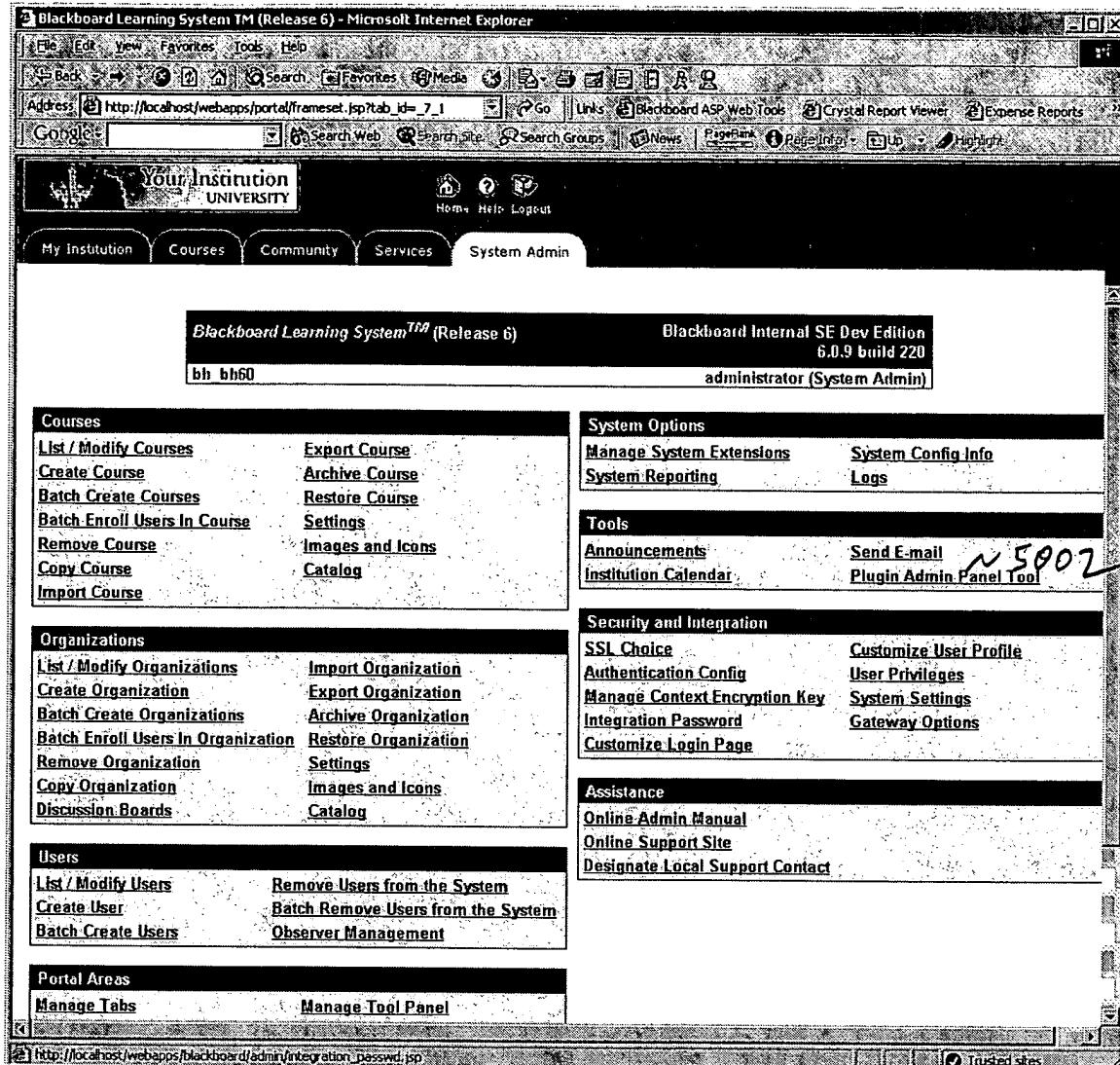


FIG. 50

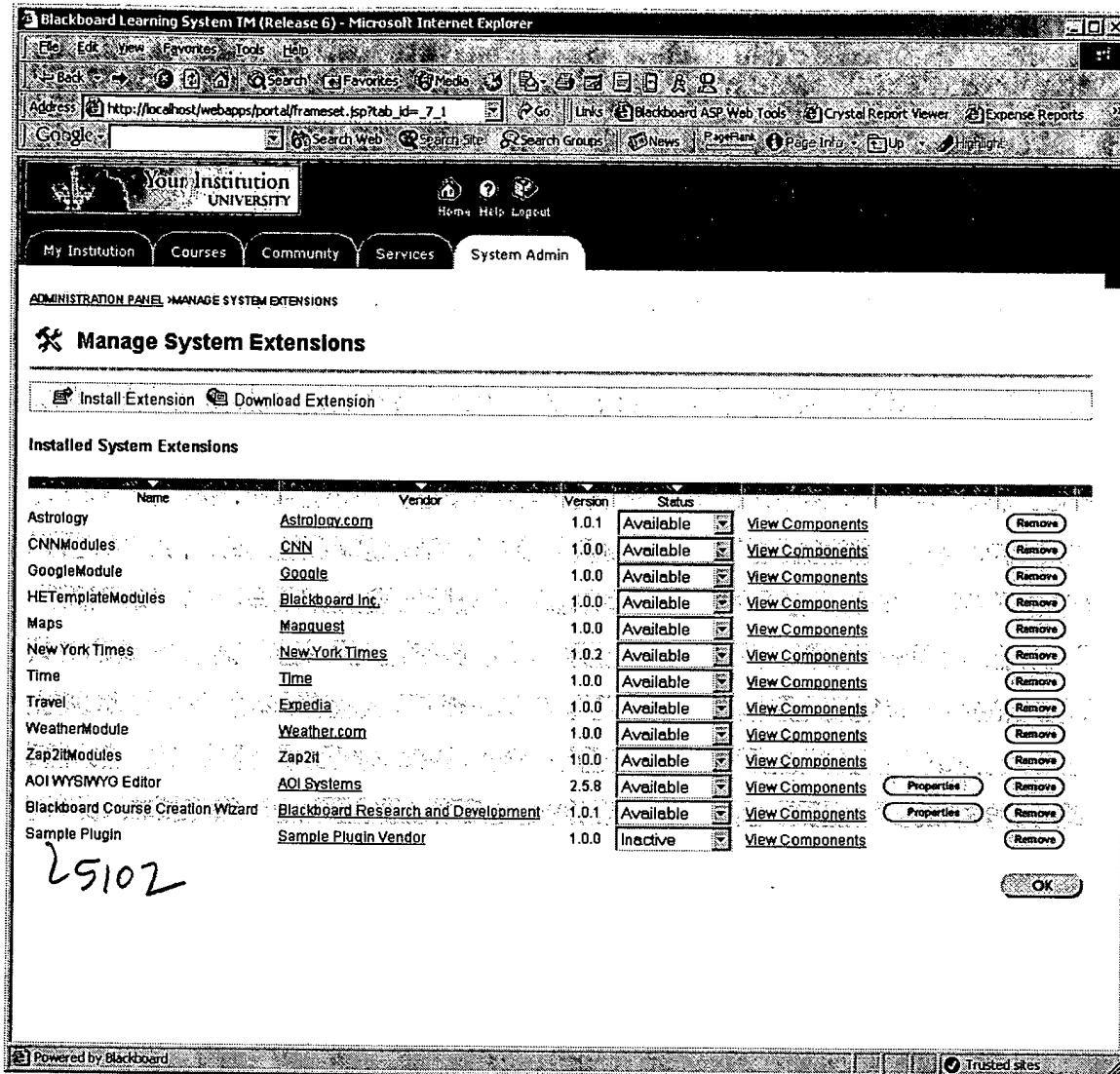


FIG. 51